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PERSONAL.

Mr. Walter G. Kirkpatrick, Assoc. M. Am. Soc. C. E., has been appointed City Engineer of Jackson, Miss.

Mr. Joseph H. Young, civil and hydraulic engineer, of Philadelphia, has removed his offices from 1346 Chestnut St. to 123 Arch St.

Mr. James L. Douglas has been elected a member of the Board of Public Works of Reading, Pa., in place of Mr. Henry Eppihimer, who recently resigned.

Col. Daniel S. Lamont, Secretary of War in the last administration, has been elected Vice-President of the Northern Pacific Ry., an office that has not formerly been filled.

Mr. John A. Clark, formerly Purchasing Agent for the Carnegie Steel Co., has associated himself with Messrs. James Bonar & Co., of Pittsburg, Pa., dealers in steam users' appliances.

Mr. John P. Brooks, for several years an instructor in civil engineering in Lehigh University, has been appointed Professor of Civil Engineering in the State College of Kentucky at Lexington, Ky.

Mr. A. E. Robbins, until recently General Superintendent of the Columbus, Hocking Valley & Toledo Ry., has been appointed Division Superintendent of the Buffalo Division of the Wabash R. R.

Mr. De Witt Smith of New York, N. Y., has been elected President, and Gen. James Negly of New York, N. Y., has been elected Vice-President and General Manager of the Richmond, Pittsburg & Carolina Ry., with offices at Pittsburg, Pa.

Mr. Charles C. Cressy has been elected Chairman of the Board of Water Commissioners of Gloucester, Mass., to take the place of Mr. Sylvanus Smith, who resigned recently owing to the press of other business. Mr. Smith still remains a member of the Board.

Mr. George C. Tunell, of Chicago, has been appointed by the U. S. Treasury Department as Statistician of Lake Commerce. He is a graduate of the University of Minnesota, and has made a study of the commerce of the lakes, being the author of a paper presented at the meeting of the Deep Waterway Convention at Cleveland, O., in 1896.

Mr. H. C. Landon, Chief Engineer of the Chicago, Peoria & St. Louis R. R., with offices in Springfield, Ill., was reported in our last issue to have resigned his position to accept a similar position with the New York & Ottawa Ry., with headquarters at Cornwall, Ont. Mr. Landon informs us that the above statement is absolutely without foundation.

Mr. C. S. Mellen has been elected President of the Northern Pacific Ry., with headquarters at St. Paul, Minn., to succeed Mr. E. W. Winter, resigned. Mr. Mellen is at present Second Vice-President of the New York, New Haven & Hartford R. R., with offices in New Haven, Conn., and was formerly General Manager of the Union Pacific system.

OBITUARY.

Mr. Charles Whitmore, a well-known quarry owner and contractor of Lockport, N. Y., died Aug. 12, from blood poisoning caused by a cut received when in bathing.

Col. James R. Haskell, inventor of the Lyman-Haskell multicharge gun, died at Passaic, N. J., on Aug. 16, aged 65 years. He devoted his life to the development of the gun originally conceived and patented by Lyman in 1857.

Mr. F. T. Bernhard died at St. John's Hospital, Cleveland, O., Aug. 8, after about three weeks' confinement at the hospital. Mr. Bernhard was a graduate of the University of Wisconsin and had been in practice about twelve years. He had been engaged in water-works and sewerage work in the west and had also been engaged on the Nicaraugua Canal survey work. For about two years previous to his death he had been employed by the Osborn Co., of Cleveland, O., Civil Engineers, in general charge of electrical railway work.

Sir Isaac Holden died at his home at Keighley, England, Aug. 13, aged 91. He was the inventor of the lucifer match and a carding machine for wool, and also introduced many improvements in wool combing and spinning machinery, in connection with the large wool combing and spinning business of Messrs. Townend of Cullingworth, Yorkshire, England, in which he was a partner. Owing to the objections of Messrs. Townend to patents, Sir Isaac never patented any of his devices and thus received no direct benefit from the use of his inventions by others.

Major James W. Abert, Engineer Corps, U. S. A., a son of Col. John G. Abert, Chief of Topographical Engineers, died at his home in Newport, Ky., on Aug. 10, aged 76 years. Major Abert was born in New Jersey and graduated from West Point July 1, 1842, as a Second Lieutenant in the 5th U. S. Infantry. He was transferred to the Topographical Engineers in 1843 and became a captain in this corps in 1856. During the Civil War he served on the staffs of Generals Patterson, Banks and Gilmore until the close of the war. He was promoted to Major in 1863 and made a Brevet Lieutenant Colonel in 1864, and resigned on June 25, 1864. After the war he was a merchant in Cincinnati; Examiner of Patents at Washington, 1869-1871, and Professor of English Literature at the Missouri State University. His brother, Charles Abert, for many years a lawyer in Washington, died on the same day, at Rockville, Md., aged 74 years.

ENGINEERING SOCIETIES.

COMING TECHNICAL MEETINGS.

AMERICAN SOCIETY OF CIVIL ENGINEERS.
Sept. 1. Secy., C. W. Hunt, 127 E. 23d St., New York City.
ENGINEERS' CLUB OF ST. LOUIS.
Sept. 1. Secy., Richard McCulloch, St. Louis, Mo.
WESTERN SOCIETY OF ENGINEERS.
Sept. 1. Secy., U. L. Litton, Monadnock Block, Chicago, Ill.
BROOKLYN ENGINEERS' CLUB.
Sept. 2. Secy., A. J. Prevost, 191 Montague St., Brooklyn, N. Y.
TECHNICAL SOCIETY OF THE PACIFIC COAST.
Sept. 3. Secy., O. Von Geldern, 819 Market St., San Francisco.
ENGINEERS' SOCIETY OF WESTERN NEW YORK.
Sept. 6. Secy., Henry Vier, Library Bldg., Buffalo, N.Y.
NATIONAL ASSOCIATION OF STATIONARY ENGINEERS.
Sept. 7. Sixteenth annual meeting, Columbus, O.
COLUMBIAN ENGINEERING SOCIETY.
Sept. 7. Secy., F. W. Hart, 15th and H Sts., Washington, D. C.
NATIONAL RAILROAD MASTER BLACKSMITHS' ASSOCIATION.
Sept. 7. Chicago, Ill. Secy., Geo. F. Hinkens, Gladstone, Minn.
NEW ENGLAND RAILWAY CLUB.
Sept. 8 Secy., Edw'd L. Jones, P. O. Box 1158, Boston, Mass.
MASTER CAR AND LOCOMOTIVE PAINTERS' ASSOCIATION.
Sept. 8. Old Point Comfort, Va. Secy., Robert McKeon, Kent, O.
NEW ENGLAND WATER-WORKS ASSOCIATION.
Sept. 8-10. Newport, R. I. Secy., J. C. Whitney, Newton, Mass.
ENGINEERING ASSOCIATION OF THE SOUTH.
Sept. 9. Secy., L. P. Brown, Nashville, Tenn.
ENGINEERS' AND ARCHITECTS' CLUB OF LOUISVILLE.
Sept. 9. Secy., James K. Zollinger, Norton Bldg., Louisville, Ky.
NORTHWESTERN TRACK AND BRIDGE ASSOCIATION.
Sept. 10. Secy., D. W. Meeker, St. Paul, Minn.
ST. LOUIS RAILWAY CLUB.
Sept. 10. Secy., H. H. Roberts, 511 Commercial Bldg., St. Louis, Mo.
WISCONSIN POLYTECHNIC SOCIETY.
Sept. 14. Secy., W. K. Means, Loan and Trust Bldg., Milwaukee, Wis.
RAILWAY SIGNAL CLUB.
Sept. 14. Secy., Geo. M. Basford, The Rookery Bldg., Chicago, Ill.
ROADMASTERS' ASSOCIATION OF AMERICA.
Sept. 14. Annual meeting, Old Point Comfort, Va. Secy., J. D. Dickson, C. & N. W. Ry., Sterling, Ill
NEW YORK RAILWAY CLUB.
Sept. 16. Secy. W. W. Wheatly, 168 Montague St., Brooklyn, N. Y.
AMERICAN SOCIETY OF RAILROAD SUPERINTENDENTS.
Sept. 22. Annual meeting, at Nashville, Tenn. Secy., C. A. Hammond, Asbury Park, N. J.
NATIONAL IRRIGATION CONGRESS.
Sept. 28, 29 and 30. Annual meeting, at Lincoln, Neb. Secy., C. M. Heintz, Los Angeles, Cal.
AMERICAN INSTITUTE OF ARCHITECTS.
Sept. 28-30. Detroit, Mich. Secy., Alfred Stone, Providence, R. I.
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.
Oct. 20. Secy., R. W. Pope, 26 Cortlandt St., New York city.

WESTERN FOUNDRYMEN'S ASSOCIATION.—At the regular monthly meeting on July 21 a paper on "Foundry Facings" was read by Mr. H. F. Frohman, and was discussed by Messrs. Carver, Moore, Truesdale, Rowlands and Ferguson. A further report of the committee on apprenticeship was made by Mr. Jas. Frake, Chairman. Mr. Thos. D. West was elected an honorary member of the association. A full report of the proceedings, including Mr. Frohman's paper, is published in the regular proceedings of the association. Copies may be had from Mr. A. Sorge, Jr., Secretary, 1012 Monadnock Block, Chicago, at 10 cts. each.

ENGINEERS' CLUB OF ST. LOUIS.—This society, on its last outing July 17, through the kindness of Mr. J. A. Ockerson, enjoyed the privilege of inspecting some of the Mississippi River improvement machinery. Fully 75 members boarded the steamer "Mississippi" and enjoyed an excellent lunch while on their way down to the large dredges "Alpha" and "Beta." (See Eng. News, Apr. 22, 1896.) The "Beta" is the largest dredge ever constructed, and has handled at times 7,400 cu. yds. of sand per hour. After a careful inspection of these the party crossed to the "Gamma" and "Delta," which were being tested at the other side of the river. While on these dredges all details of operation, such as anchoring, raising the suction pipe and handling the various machines, were witnessed. Further down the river another stop was made, and the method of removing snags was demonstrated by the snagboats "Macomb" and "Wright" The trip was considered one of the most instructive yet taken by the society, and a hearty vote of thanks was extended to the host and guide, Mr. Ockerson.

A MINING INSTITUTE was organized recently in Terra Haute, Ind., for the purpose of studying mining methods and machinery, and such other mining details as might be of interest or value to mine superintendents, mine foremen, mine engineers, etc. Fifty charter members signed at the first meeting, and the following officers were selected for the first year: Pres., Wm. Moody, Evansville, Ind.; Secy., G. S. Patterson, Box 131, Terre Haute, Ind.; Treas., D. W. James, Clinton, Ind. An executive committee was selected, and a constitution and by-laws will be adopted at a following meeting.

ENGINEERS' CLUB OF CHICAGO.—This society was incorporated July 19, 1897, and has permanent quarters located in the Fisher Bldg., corner of Van Buren and Dearborn Sts., Chicago, Ill. Membership is limited to those interested in practical science, and the operation, sale or manufacture of power machinery, accessories and supplies. Its constitution provides for a meeting at least once each month for the consideration or discussion of some mechanical or scientific topic. The society intends to employ as a means of professional elevation the reading of technical journals or papers prepared by its members, or non-members by invitation. It also intends publishing such original papers as are considered especially valuable, and will establish and maintain a library. To meet current and other expenses an entrance fee of $10 and monthly dues of 50 cts. will be levied. The officers for the following year are: Pres., M. O. Kasson; Vice-Pres., C. W. Naylor; Secy., Lewis M. Ellison, 1800 Fisher Bldg.

ROADMASTERS' ASSOCIATION OF AMERICA.—The fifteenth annual convention will be held at the Hotel Chamberlin, Old Point Comfort, Va., Sept. 14, 15 and 16. A paper will be presented by Mr. H. W. Church, L. S. & M. S. Ry., on "The Best Method of Directing and Supervising the Work of Section Foremen; What Reports are Necessary for the Special Information of the Roadmaster to enable Him to Successfully Direct and Control the Work." The following committee reports will also be presented: "The Best Method of Preventing the Creeping of Rails," Chairman, F. J. Allen, C., B. & Q. R. R., Aurora, Ill.; "Tie-plates: The Benefits and Results Obtained from their Use," Chairman, E. E. Stone, B. & A. R. R., Springfield, Mass.; "Track Joints, Results Obtained from Use of Various Devices," Chairman, C. E. Jones, C., B. & Q. R. R., Beardstown, Ill.; "Is it More Economical to Put in Ties Out of Face or in Patches," Chairman, F. R. Coates, N. Y., N. H. & H. R. R., Stamford, Conn.; "Latest Improvements in Frogs and Switches," Chairman, W. J. Prindle, Pennsylvania Lines, Chicago, Ill.

Secy., J. B. Dickson, C. & N. W. Ry., Sterling, Ill.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened.	Work.	Place.	See Eng. News.
Aug. 19.	Asphalt blocks,	Washington, D. C.	Aug. 12
	Advertised, Engineering News, Aug. 12.		
Aug. 19.	Retaining wall, etc.,	Philadelphia, Pa.	Aug. 12
Aug. 19.	Brick and pipe sewers,	Middletown, O.	Aug. 5
	Advertised, Eng. News, Aug. 5 and 12.		
Aug. 19.	Mortar forgings,	Washington, D. C.	Aug. 5
Aug. 19.	Steel forgings (57 sets),	Washington, D.C.	July 29
Aug. 19.	Filter beds,	Spencer, Mass.	Aug. 19
Aug. 19.	Bridge (310-ft.),	Sigourney, Ia.	July 22
Aug. 20.	Water tank, etc.,	Fort Sill, Okla.	July 29
Aug. 20.	Erecting pump,	East Palestine, O.	Aug. 5
Aug. 20.	Retaining wall,	Evansville, Ind.	Aug. 12
Aug. 20.	Artesian well,	Melrose Park, Ill.	Aug. 12
	Advertised, Engineering News, Aug. 12.		
Aug. 20.	Grading, etc.,	New York, N. Y.	Aug. 12
Aug. 20.	Paving (45,000 sq.yds.),	Omaha, Neb.	Aug. 12
Aug. 20.	Heating, ventilating, etc.,	Rome, N. Y.	Aug. 12
Aug. 20.	Sewers,	Chicago, Ill.	Aug. 19
Aug. 20.	Sewers,	New York, N. Y.	Aug. 19
Aug. 20.	Macadamizing,	Paterson, N. J.	Aug. 19
Aug. 20.	Levees,	New Orleans, La.	Aug. 19
Aug. 21.	Levee work,	New Orleans, La.	Aug. 19
Aug. 21.	Iron or steel bridge,	Hackensack, N. J.	Aug. 19
Aug. 21.	Sewers,	Ypsilanti, Mich.	Aug. 19
Aug. 21.	Road work,	Chicago, Ill.	Aug. 19
Aug. 21.	Roadway,	Chillicothe, Ill.	Aug. 19
Aug. 21.	Pipe sewer,	Brooklyn, N. Y.	Aug. 12
Aug. 21.	Iron bridge,	Cincinnati, O.	Aug. 12
Aug. 21.	Fire cistern,	Akron, O.	Aug. 12
Aug. 21.	Paving (9,660 sq.yds.),	Hamilton, O.	Aug. 12
Aug. 21.	Sewer,	Evansville, Ind.	Aug. 12
Aug. 21.	Sewers,	Akron, O.	Aug. 12
Aug. 21.	Paving (22,000 sq. yds.),	Macon, Ga.	Aug. 5
Aug. 21.	Paving,	Hamilton, O.	July 29
Aug. 21.	Asphalt paving,	Akron, O.	July 29
	Advertised, Eng. News, July 29 to Aug. 12.		
Aug. 22.	Brick paving,	Albany, N. Y.	Aug. 5
Aug. 23.	Hospital buildings,	Peoria, Ill.	Aug. 12
Aug. 23.	Levee work,	Memphis, Tenn.	July 22
Aug. 23.	Water-works,	Newbern, Tenn.	July 29
	Advertised, Engineering News, July 29.		
Aug. 23.	Water supply,	Lockport, N. Y.	Aug. 12
Aug. 23.	Parkway,	Milton, Mass.	Aug. 12
Aug. 23.	Paving brick,	Cumberland, Md.	Aug. 12
Aug. 23.	Light bonds ($15,000),	Marietta, O.	Aug. 12
Aug. 23.	Electric light fixtures,	Youngstown, O.	Aug. 19
Aug. 23.	Park improvement,	New York, N. Y.	Aug. 19
Aug. 23.	Electric light fixtures,	Omaha, Neb.	Aug. 19
Aug. 23.	Electric light fixtures,	Allegheny, Pa.	Aug. 19
Aug. 23.	Elect. light fixtures,	New London, Conn.	Aug. 19
Aug. 23.	Museum building,	New York, N Y.	Aug. 19
Aug. 23.	Macadamizing,	Killingly, Conn.	Aug. 19
Aug. 23.	Macadamizing,	Orange, Conn.	Aug. 19

Aug. 23. Highway, Plainville, Conn.... ....Aug. 19
Aug. 23. Curbing, etc., Des Moines, Ia.... .....Aug. 19
Aug. 23. Macadamizing, Bristol, Pa..... .....Aug. 19
Aug. 23. Gas and elect. light fix'rs, Wash'n, D. C. Aug. 19
Aug. 23. Pipe sewers, Rat Portage, Ont.....Aug. 19
Aug. 23. Hospital building, East Cambridge, Mass. Aug. 19
Aug. 24. Dredging, Brooklyn, N. Y..... .....Aug. 19
Aug. 24. Boilers, plumbing, etc., New York, N. Y..Aug. 19
Advertised, Engineering News, Aug. 19.
Aug. 24. Brick paving, etc., Union, N. J.. .....Aug. 19
Aug. 24. Flagging and sidewalks, Arverne, N. Y..Aug. 19
Aug. 24. Cobble-stones (12,500 cu. yds.), New York Aug. 19
Aug. 24. Road improvements, North Haven, Conn..Aug. 19
Aug. 24. Street work, Wellesley, Mass.... .....Aug. 19
Aug. 24. Brick paving, etc., Norwalk, Conn.....Aug. 19
Aug. 24. Water-wks bonds ($200,000), Westerly, R.I. Aug. 12
Aug. 24. Bridge substructure, Youngstown, O.....Aug. 12
Aug. 24. Machinery, Mare Island, Cal. .....Aug. 12
Aug. 24. Paving blocks, Westerly, R. I. .....Aug. 12
Aug. 24. Garbage crematory, Ft. Leavenworth, Kan. July 29
Aug. 24. Erie Canal work, Albany, N. Y. .....Aug. 5
Advertised, Eng. News, Aug. 12 and 19.
Aug. 24. Sewers and disposal plant, Glenville, O. ..Aug. 5
Aug. 24. Canal improvements, Albany, N. Y. .....Aug. 5
Advertised, Eng. News, Aug. 12 and 19.
Aug. 24. Laying water mains, New York, N. Y...Aug. 19
Aug. 25. Riprap wall, Sandy Hook, N. J. .....Aug. 5
Advertised, Eng. News, Aug. 5 to 26.
Aug. 25. Army building, San Francisco, Cal. .....Aug. 5
Aug. 25. Tail race and dam, Chicago, Ill.....July 22
Advertised, Eng. News, July 22 to Aug. 12.
Aug. 25. Brick sewer, Hoboken, N. J. .....Aug. 12
Aug. 25. Electric wiring, etc., Pueblo, Colo.....Aug. 12
Aug. 25. Electrical communication, N. Y. canals...Aug. 12
Advertised, Engineering News, Aug. 19.
Aug. 25. Excavating, Brooklyn, N. Y.....Aug. 19
Aug. 25. Street grading, etc., Hoboken, N. J.....Aug. 19
Aug. 25. Road work (3⅔ miles), Cleveland, O.....Aug. 19
Aug. 25. Macadamizing, Manchester, Conn.....Aug. 19
Aug. 25. Macadamizing, Putnam, Conn..... .....Aug. 19
Aug. 25. Macadamizing, Simsbury, Conn.....Aug. 19
Aug. 25. Bridge superstructure, Youngstown, O....Aug. 12
Aug. 25. Building, New York, N. Y..... .....Aug. 19
Aug 25. Fire engine house, Hoboken, N. J.....Aug. 19
Aug. 25. Road work, Plainfield, Conn.... .....Aug. 19
Advertised, Engineering News, Aug. 19.
Aug. 25. Brick paving, College Point, N. Y.....Aug. 19
Advertised, Engineering News, Aug. 19.
Aug. 25. Cleaning sewers, Hoboken, N. J.....Aug. 19
Aug. 26. Paving, Brooklyn, N. Y..... .....Aug. 19
Aug. 26. Excavation, etc., W. Newton, Mass.....Aug. 12
Aug. 26. Macadamizing, Kansas City, Mo..... ..Aug. 12
Aug. 26. Water-works, Bancroft, Neb. .....Aug. 12
Aug. 26. School building, Johnstown, Pa. .....Aug. 12
Aug. 26. Paving, etc, East Chester, N. Y.....Aug. 19
Advertised, Engineering News, Aug. 19.
Aug. 26. Dam, etc., New Bedford, Mass. .....Aug. 19
Aug. 27. Sewers, St. Louis, Mo..... .....Aug. 19
Aug. 27. Garbage disposal, etc., Minneapolis, Minn. Aug. 5
Aug. 27. Garbage disposal contract, Minneapolis...Aug. 12
Advertised, Eng. News, Aug. 12 and 19.
Aug. 27. Bonds, 20-year, 6%, $8,000, Wadena, Minn. Aug. 19
Aug. 27. Pier, St. Joseph, Mich.. ....Aug. 19
Aug. 27. Macadamizing, East Haddam, Conn.. .....Aug. 19
Aug. 28. Grading (8⅔ miles), Cleveland, O.....Aug. 19
Aug. 28. Road improvement, Celina, O.....Aug. 19
Aug. 28. Brick paving, North Adams, Mass.....Aug. 19
Advertised, Engineering News, Aug. 19.
Aug. 30. Brick paving, Stamford, Conn.....Aug. 19
Aug. 30. Street grading, etc., New York, N. Y....Aug. 19
Aug. 30. Brick paving, La Grange, Ill.....Aug. 19
Advertised, Eng. News, Aug. 19 and 26.
Aug. 30. Paving, etc., Dayton, O.... .....Aug. 19
Aug. 30. Sewers, New York, N. Y..... ..Aug. 19
Aug. 30. Electric light plant, etc., Scranton, Miss. Aug. 5
Advertised, Eng. News, Aug. 5 to 19.
Aug. 30. Water bonds, etc. ($25,000), Scranton, Miss. Aug. 5
Advertised, Eng. News, Aug. 5 to 19.
Aug. 30. Water-works, etc., Scranton, Miss. .....Aug. 5
Advertised, Eng. News, Aug. 5 to 19.
Aug. 30. Brick paving, Cincinnati, O.....Aug. 12
Aug. 30. Trunk sewer, Cincinnati, O. .....Aug. 12
Aug. 30. Retaining wall, Cincinnati, O. .....Aug. 12
Aug. 30. Bonds, Canton, O. .....Aug. 12
Aug. 30. Paving, Toledo, O..... .....Aug. 19
Aug. 30. Asphalt paving, West Point, N. Y.....Aug. 19
Aug. 30. Grading, etc., Mount Vernon, N. Y.....Aug. 19
Aug. 30. Asphalt paving, New York, N. Y.....Aug. 19
Aug. 30. Brick and pipe sewers, Toledo, O.....Aug. 19
Aug. 30. Sewers, Mount Vernon, N. Y. .....Aug. 19
Aug. 31. Water-works contracts (4), Boston, Mass. Aug. 19
Advertised, Eng. News, Aug. 19 and 26.
Aug. 31. Water-works, Crowley, La.... .....Aug. 19
Aug. 31. Wells (2), Holly Springs, Miss.... .....Aug. 19
Aug. 31. Paving, etc., Keokuk, Ia..... .....Aug. 19
Aug. 31. Bridge bonds ($64,000), Paterson, N. J...Aug. 12
Aug. 31. Brick pvg., (1,200 lin.ft.), Gibsonburg, O..Aug. 12
Aug. 31. Hire of snag boat, New Orleans, La. ....Aug. 12
Aug. 31. Building foundations, Philadelphia, Pa...Aug. 5
Aug. 31. Dredging, etc., St. Mary's River, Mich...Aug. 5
Advertised, Eng. News, Aug. 5 to 26.
Aug. 31. Hire dredging plant, Chattanooga, Tenn...Aug. 5
Advertised, Eng. News, Aug. 5 to 26.
Aug. 31. Sewers, Oneida, N. Y..... .....Aug. 19
Advertised, Engineering News, Aug. 19.
Sept. 1. Pumping eng. (3,000,000 gals.), Chicago. Aug. 5
Advertised, Eng. News, Aug. 5 to 26.
Sept. 1. Sewer plans, Stevens Point, Wis.....Aug. 12
Sept. 1. Model barges, St. Louis, Mo. .....Aug. 12
Sept. 1. Garbage disposal contract, Findlay, O....Aug. 12
Sept. 1. Removal of debris, New York, N. Y.....Aug. 19
Advertised, Eng. News., Aug. 19 and 26.
Sept. 1. Pile bridge (30-ft.), La Moure, N. D.....Aug. 19
Sept. 1. Steel bridge, Framingham, Mass.....Aug. 19
Sept. 1. Bridge piers, Mattoon, Ill. .....Aug. 19
Advertised, Eng. News, Aug. 19 and 26.
Sept. 2. Water-works, Marathon, N. Y.....Aug. 19
Advertised, Engineering News, Aug. 19.
Sept. 2. Subway, Boston, Mass. .....Aug. 12
Advertised, Eng. News, Aug. 12 to 26.
Sept. 2. Sidewalks, Findlay, O. .....Aug. 5
Sept. 2. Forged steel projectiles, War Department. Aug. 5
Advertised, Eng. News, Aug. 5 to 26.
Sept. 3. Canal improvements, Albany, N. Y.....Aug. 5
Advertised, Eng. News, Aug. 12 and 19.
Sept. 3. Erie Canal work, Albany, N. Y. .....Aug. 5
Advertised, Eng. News, Aug. 12 and 19.
Sept. 3. Garbage disposal contract, Chicago, Ill...Aug. 12
Advertised, Eng. News, Aug. 12 to 26.
Sept. 3. Officers' quarters, Ft. Leavenworth, Kan. Aug. 19
Sept. 4. Sewers, Cincinnati, O.... ....Aug. 19
Sept. 6. Oil engines, etc., Willet's Point, N. Y...Aug. 19
Advertised, Eng. News, Aug. 19 to Sept. 2.
Sept. 6. Bridge, Quincy, Cal. .....Aug. 5
Sept. 6. Water-works, Elizabeth, N. C.....Aug. 5
Sept. 6. Bonds, Townsend, Wash. .....Aug. 12
Sept. 6. Pumping engine, Chicago, Ill.....Aug. 12
Advertised, Eng. News, Aug. 12 to 26.
Sept. 6. Hospital building, Oakland, Cal.....Aug. 12
Sept. 6. Electric light franchise, Chico, Cal.....Aug. 19
Sept. 7. Cement ditch, 6,425 ft., Riverside, Cal..Aug. 19
Sept. 7. Electric light plant, Bay City, Mich....Aug. 19
Sept. 7. Dredging in Galena River, Ill.....Aug. 12
Advertised, Eng. News, Aug 12 to Sept. 2.
Sept. 7. Three 40-ft. bridges, Colfax, Wash.....Aug. 12
Sept. 7. Steel water-tower, Jacksonville, Fla.....Aug. 12
Advertised, Engineering News, Aug. 12.
Sept. 7. Water filters, Washington, D. C.....Aug. 5
Advertised, Eng. News, Aug. 5 to 26.
Sept. 7. Brick paving, Cincinnati, O..... .....Aug. 19
Sept. 8. Bridge substructures (4), Chicago, Ill....July 29
Advertised, Eng. News, July 22 to Aug. 12.
Sept. 9. Stone for dikes, Hudson River, N. Y....Aug. 12
Advertised, Eng. News, Aug. 12 to Sept. 2.
Sept. 9. Gun emplacements, Sullivan Island, S. C. Aug. 12
Advertised, Eng. News, Aug. 12 to Sept. 2.
Sept. 9. Sewers, Cleveland, O..... .....Aug. 19
Sept. 10. Breakwater piers (2,700 ft.), Duluth, Minn. July 15
Advertised, Eng. News, July 15 to Sept. 2.
Sept. 10. Heating and ventilating, Youngstown, O..Aug. 19
Advertised, Eng. News, Aug. 19 and 26.
Sept. 11. Grille work, etc., Troy, N. Y.....Aug. 12
Sept. 13. Bridge, Idaho City, Idaho .....Aug. 12
Sept. 13. Brick sewer, Toledo, O..... .....Aug. 19
Sept. 14. Battle-ships (3), Washington, D. C.....July 8
Sept. 16. Bridge, New York, N. Y..... .....Aug. 19
Sept. 20. Hospital building, Winnemucca, Nev.....July 22
Sept. 26. Court house plans, Worcester, Mass. ....Aug. 5
Oct. 1. Electric light plant, Herve, Belgium.....July 8
Nov. 18. Water-works (purchase of), Para, Brazil..Aug. 12
Nov. —. Plans for public building, Mexico, Mex...May 6

RAILWAYS.

BALTIMORE & OHIO.—The new 85-lb. steel rails purchased recently are being delivered and laid, and if the weather continues good at least 20,000 tons will be in the track by winter. Nearly 1,000,000 cross ties have been bought and placed ready for the new rail; ballast trains have been kept busy and the work has progressed with such rapidity that when the new rail is down the tracks will practically be new from Wheeling to Baltimore. There are many good rails in the old tracks, not heavy enough for the new motive power, which will be taken up and laid on divisions where traffic is not so great as it is on the main line. About 10,000 tons of new steel will be laid on the lines west of the Ohio River this fall, if weather permits. W. T. Manning, Ch. Engr., Baltimore Md.

BIRMINGHAM, MOBILE & NAVY COVE HARBOR—Reports state that work on this projected road will now soon begin. The company was incorporated in 1887 to construct a railway from Mobile to Fort Morgan, on Mobile Point, via Mobile Bay and the east shore of the Bay to Deep Water harbor, a distance of about 53 miles. Thaddeus McNulty, Mobile, Ala., was one of the incorporators.

CALIFORNIA.—Reports state that a proposition has been received by the citizens of Eureka, Cal., to build a railway from Eureka to Rogue River, in Oregon, upon the consideration that $360,000 will be subscribed by the people of this city.

CENTRALIA & CHESTER.—C. M. Forman, Receiver, Sparta, Ill., informs us that the work of extending this line from Evansville to Chester, Ill., a distance of 17 miles, is under the direct supervision of H. W. Schmidt, Supt. of Construction.

COLUMBUS & WORTHINGTON.—This company was incorporated Aug. 9, according to reports, at Columbus, O. The incorporators are: Wm. V. Marquis, J. D. Emerson, W. M. Fisher, Robt. Colcoat and Ernest M. Hamilton; and the capital stock is $100,000.

COLUMBUS NORTHWESTERN.—This company was incorporated in Ohio, Aug. 9, with a capital stock of $100,000. It is proposed to construct a railway from Columbus north to a point in the northwestern part of Paulding County, traversing Franklin, Madison, Union, Champaign, Logan, Hardin, Auglaize, Allen, Mercer, Van Wert, Putnam and Paulding counties.

DAYTON & FAUNSDALE.—Reports state that the projected line from Dayton to Faunsdale, Ala., has been surveyed and almost ready for the letting of contracts; grading from Dayton to Faunsdale, a distance of 9 miles, has been completed for 5 miles. It is now proposed to build a road 40 miles long, extending from Faunsdale to Gay's Landing on the Tombigee River, via Dayton and Nanafalia; further extensions north and south to be made when practicable. G. T. Siddons, Pres., Siddonsville, Ala.; J. F. Wiley, Ch. Engr., Dayton, Ala.

DETROIT, TOLEDO & MILWAUKEE.—This company, formerly the Cincinnati, Jackson & Mackinaw Ry., is having an extension to its line surveyed from Dundee, at its junction with the Ann Arbor R. R., northeast to Detroit, Mich., about 40 miles distant.

EAST RICHELIEU VALLEY.—Reports state that the contract for constructing this road has been let to J. L. Comte, Montreal, Que. The route as projected is from Iberville south about 23 miles, up the east side of the Richelieu River to the Lacolle Bridge, to connect with the Canada Atlantic Ry. The new line has been subsidized by the Quebec and Ottawa governments to the extent of $8,500 a mile. Pres., Philip H. Roy, 4 St. Lawrence St., Montreal; work is expected to be completed this autumn.

GEORGIA, ANDERSON & WESTERN.—This company is contemplating the extension of its line from Batesburg to Saluda, S. C. The road at present is but a short line running from Allendale to Batesburg, but if the line is extended as projected it will develop one of the richest sections of the state. Oliver & McCabe, Railway Contractors, are interested.

GEORGIA & FLORIDA.—The grading on this new line from Haylow, Ga., to the Suwanee River in Florida has been completed and about one-half of the track laid. F. W. Long, Ch. Engr., Haylow, Ga.

KENNEBEC & FARMINGTON.—This company was organized about Aug. 5 to construct a narrow gage railway from Augusta to New Sharon, Me. Parkes Spofford, Bucksport, Me., has charge of the survey.

PARAGOULD & SOUTHEASTERN.—Reports state that surveys are being made for an extension of this railway from Cardwell, Mo., easterly to Hornersville, a distance of 10½ miles. J. E. Daugherty, Ch. Engr., Paragould, Ark.

RUTLAND & MONTPELIER.—This railway is projected from Rutland to Montpelier, Vt., about 80 miles, of which 54 miles have been recently surveyed. C. W. Mansfield, Springfield, Mass., who negotiated for having the surveys made, has been unable to raise money to continue the work and the surveys have been discontinued. There is some talk of utilizing the water power along the route and using electric locomotives. Pres., Dr. Huntington, Rochester, Vt.

SIOUX CITY & OMAHA.—This company has been incorporated in Nebraska to build a railway from Sioux City, Ia., to Omaha, Neb. It will follow the Eastern Nebraska & Gulf survey through the Winnebago and Omaha reservations, passing through Decatur and Tekamah, Neb. At Omaha it is expected to make connections with the Port Arthur route. The principal incorporators are J. R. Anderson and B. F. Fuller, Tekamah; Mitchell Vincent, Onawa, Ia.

SIERRA RY. OF CALIFORNIA.—B. T. Booze, Gen. Passenger Agt., Oakdale, Cal., announces that this line was opened for freight and passenger traffic on Aug. 10 as far as Don Pedro, Cal., 28 miles east of Oakdale, and one mile south of the old Crimea House. Construction is being pushed beyond Don Pedro to Sonora, Cal., 15 miles. T. S. Bullock, Gen. Mgr.

SOUTHEASTERN.—This company has recently been incorporated with a capital stock of $120,000, to build a railway from Elrod, on the Atlantic Coast Line, to Hub, N. C. The new road will be about 20 miles long, and will form a branch of the Atlantic Coast Line system, connecting the Wilmington and Weldon division with the Wilmington, Chadbourn & Conway R. R. The directors of the new company are H. Waters, Baltimore, Md.; W. G. Elliott and J. R. Kenly, of Wilmington, N. C.

SOUTH ALABAMA & GULF.—It is announced that this company expects to construct about 100 miles of railway during this year. The first section of the road will be only 27 miles long, extending from Greenville to Rutledge, Ala., but when fully completed the line will extend for 291 miles. According to F. B. Pickering, 18 Wall St., New York, who is interested in the project, the company is in the market for 50 or 60-lb. rails. W. H. Parrish, Pres., Richmond, Va.; W. B. Gilmer, Gen. Mgr., Greenville, Ala.

TUCKAHOE & JAMES RIVER.—San Francisco, Cal.—Reports state that this line will be extended from Lorraine, Va., to a town near Richmond, 12 miles distant; at present the line runs from Gayton to Lorraine, Va. W. B. Gay, Richmond, Va., is said to be among those interested.

STREET AND ELECTRIC RAILWAYS.

LEWISTON, ME.—A company has been formed of Maine capitalists to build an electric road about 81 miles long. It is proposed to construct lines from this city to Brunswick, Bath, Turner, Sabbattus and probably Gardiner.

YARMOUTH, ME.—Press reports state that the extension of the Portland & Yarmouth electric railway into the town will be made this fall.

WESTBROOK, ME.—R. D. Woodman informs us that the projected Westbrook, Windham & Harrison electric railway will be about 30 miles long, and will pass through the towns of Gorham, Windham, Raymond, Casco and Naples, Me. No further information will be given at present. Pres., John C. Scalis, Westbrook, Me.

BELMONT, MASS.—It is announced that the Payson Park Land Co. will soon build an electric railway from Mount Auburn to Waverly, by the way of Belmont and North Sts.

LEXINGTON, MASS.—The Lexington St. Ry. Co. has been organized at this place to construct a line from Waltham, through Lexington and Arlington, to Woburn, Mass, a distance of 15 miles. The capital stock of the company will be $150,000, and the temporary directors are: L. A. Saville and Alfred Pierce, Lexington; O. M. Gove, Waltham; Walter H. Pierce, Arlington; Charles Cummings, Woburn; Chas. E. Dresser, Leominster; Robt. B. Taber, Cambridge, Mass.

FITCHBURG, MASS.—There is a movement in this town for the construction of an electric road from Fitchburg to Lowell, Mass., via Lunenburg, North Shirley, Groton and Westford, where it would meet the present line at North Chelmford.

WEBSTER, MASS.—Edgar S. Hill is said to be projecting an electric railway from this town to Dudley.

FALLSBURG, N. Y.—The Fallsburg & Monticello R. R. Co. has been given permission by the railroad commission to construct an electric line from the station of the New York, Ontario & Western R. R. to the Monticello, Port Jervis & New York R. R., in this town.

WINDHAM, N. Y.—The Windham Traction Co. has recently been incorporated with a capital stock of $250,000. It is proposed to build an electric line 20 miles long, from Durham to East Windham, via Conesville, Windham and Hensonville, N. Y. Among the directors are W. G. Raines and T. E. Smith, of New York, and Geo. C. Spencer, Chicago, Ill.

NEW BRUNSWICK, N. J.—The following contracts were awarded Aug. 11 for constructing the electric line of the Brunswick Traction Co., from New Brunswick to Bound Brook and Metuchen, N. J.: For macadamizing the branch from New Brunswick to Metuchen, to V. D. Pierce, Metuchen; for the overhead wires, rails, and iron work, to McElroy & McCartney, New York; for excavating road to Bound Brook, to P. H. Rehill, Jersey City.

GREENSBURG, PA.—The Greensburg & Mount Pleasant St. Ry. Co. has been incorporated with a capital stock of $75,000, to construct a line from South Greensburg to Mount Pleasant.

MEADVILLE, PA.—The Meadville St. Ry. Co., with a capital of $350,000, will construct a street railway in this town, and will also build an extension to Edinboro, via Cambridge Springs.

WHEELING, W. VA.—Reports state that the Wheeling & Elm Grove R. R. Co. is about ready to let contracts for the construction of its electric line. The road is to be laid with 90-lb. rails, and will be 2½ miles long. Brown & Hazlett, Engrs., Wheeling, can give information.

PEMBERVILLE, O.—It is reported that the citizens of this town are trying to raise the necessary capital for the construction of a line to Bowling Green; the right of way has already been secured.

HARVARD, ILL.—H. S. Williams, Harvard; H. T. Windsor, and C. J. Luck, Chicago, have been granted a franchise by the council, to construct an electric railway from this place through Big Foot, Walworth and Fontana and to Geneva Lake, a distance of 11 miles.

KANKAKEE, ILL.—A. D. Ehrich informs us that the right of way is now being secured for the projected Kankakee, Wilmington and Morris electric line. When completed the road will be 50 miles long, running through Kankakee, Wilmington and Morris to the Braidwood coal mines. The entire capital is not yet secured.

COUNCIL BLUFFS, IA.—W. B. Tarkington informs us that the new power house for the Omaha & Council Bluffs Ry. & Bridge Co. will probably be furnished with a compound condensing engine, and a direct-connected generator; also high pressure water tube boilers, and every facility for repairs and the economical generation of electricity.

ELECTRIC LIGHT AND POWER.

FALL RIVER, MASS.—The committee on street lights has been ordered to consider the advisability of establishing a city electric lighting plant.

WINTHROP, MASS.—It is reported that a company has been formed to supply this place with electric lights. Estimates are being prepared.

FREDONIA, N. Y.—The Board of Trustees will install a new 60-light dynamo, according to reports.

OGDENSBURG, N. Y.—The town clerk reports that this city voted on Aug. 12 to spend $7,500 for lighting the city streets.

SOUTH ORANGE, N. J.—The contract for lighting the streets of this township for the next three years has been awarded to the People's Light & Power Co., of Newark, N. J.

EPHRATA, PA.—It is reported that T. E. Bailey, Philadelphia, has been granted a franchise to light this borough with 20 3,000-c. p. arc lamps, for which $1,300 is to be paid a year.

HATBORO, PA.—Comly Walton informs us that the Hatboro Electric Light Co. has filed its acceptance of the franchise granted to it July 1. It will require about one year to complete the construction of this and the new water-works plant.

HYATTEVILLE, MD.—W. C. Lyon is reported as preparing plans and specifications for an electric light plant to be installed in the near future.

ELKIN, N. C.—It is reported that the Elkin Mfg. Co. will install a plant for lighting this place. The plant would require a 400-light incandescent dynamo, etc.

MILLEDGEVILLE, N. C.—It is reported that the Eldorado Cotton Mfg. Co. will install a lighting plant.

CATAWBA FALLS, S. C.—Mrs. Susan A. Boyles and a company of capitalists are reported as about to begin the construction of a $150,000 electric light and power plant.

WINNSBORO, S. C.—It is reported that the Fairfield Cotton Mills Co. will put an electric light plant in the new mills they are building at this place.

ATLANTA, GA.—The City Council has asked that the question of electric lighting be investigated, with an idea of establishing a plant.

GAINESVILLE, FLA.—James M. Graham is reported as interested in a company which will install lighting machinery in the near future.

MADISON, FLA.—The question of electric lighting has been decided in the affirmative, and it is expected that a popular vote will soon be taken to determine the amount of a bond issue.

JASPER, ALA.—It is reported that Mr. Newburger, of Louisville, Ky., is trying to establish an electric light company.

DYERSBURG, TENN.—This city will soon vote on a proposition to issue $40,000 in bonds for constructing water-works and an electric light plant. Mayor W. F. Fowlkes may be addressed.

HUNTINGDON, TENN.—This town voted Aug. 7 to issue $17,000 in bonds for constructing water-works and an electric light plant, and bids will soon be asked. Geo. T. McCall, Huntingdon, Tenn., may be addressed. E. E. Davis, Engr., Newbern, Tenn.

SWEETWATER, TENN.—Reports state that, as the present system of lighting is unsatisfactory, the board of aldermen will adopt some more modern system.

DELPHOS, O.—First steps have been taken by the council towards establishing a municipal lighting plant. It is expected that machinery will be purchased soon.

LEBANON, O.—The following bids were opened by Mayor M. E. Gustin for an electric light franchise, as advertised in Engineering News: Lebanon Light, Fuel & Power Co., Lebanon, O., 7 1,200-c. p. arcs and 135 incandescents, $3,050; Light Supply Co., Cincinnati, 65 1,200-c. p. arc lights, $2,600. In each case the town would pay running expenses and receive income from commercial lighting. Bids were taken under advisement.

YOUNGSTOWN, O.—Bids are asked until Aug. 23 for supplying and placing electric light fixtures for the U. S. public building at this place. Asst. Secy., O. L. Spalding, U. S. Treasury Dept., Washington, D. C.

BAY CITY, MICH.—Bids are asked until Sept. 7 for the construction of an electric light plant.

MILWAUKEE, WIS.—It is reported that improvements to the extent of $1,000,000 will be made by the Milwaukee Electric Ry. & Light Co. The improvements will consist in new lines and power plants.

ANDERSON, MINN.—At an election held recently at this place it was decided to issue electric light bonds.

HENDERSON, MINN.—It has been decided to install a complete lighting plant, including building, with a capacity of 500 16-c. p. incandescent lamps and 15 2,000-c. p. arcs, not to exceed $5,000 in cost. E. L. Welch, Mayor; Camillo Brown, Cy. Clk.

ST. PAUL, MINN.—It is stated that plans for an electric lighting plant will be prepared by an electrical engineer, and bids asked according to his estimates. This will be the third request for bids, the other two offers not meeting conditions.

WADENA, MINN.—Bids will be received until Aug. 27 for $8,000 of 20-year 6% bonds. G. W. Miller, Recorder.

OMAHA, NEB.—Bids are asked until Aug. 23 for manufacturing and placing in public buildings electric light fixtures. Also the same at Allegheny, Pa., and New London, Conn. O. L. Spalding, Asst. Secy., Treas. Dept., Washington, D. C.

RICHMOND, TEX.—Parties are reported as making efforts to put in an electric light plant, and their efforts will more than likely succeed.

ELLENSBURG, WASH.—It is reported that this city will acquire a water system for supplying electric lights. The plant will cost $10,000, as now estimated.

CHICO, CAL.—Bids are asked until Sept. 6 for a franchise to maintain and operate an electric light and power plant at this place. C. H. Woods, Cy. Clk.

ELDRIDGE, CAL.—It is expected that an electric light plant will be placed in the Home for the Care and Training of Feeble-Minded Children at this place.

LOS ANGELES, CAL.—Reports state that the California Construction Co. has been awarded the contract for constructing the plant of the San Gabriel Electric Co. The work involves tunnels aggregating 20,000 ft. at a cost of $100,000, and ditching and piping to the extent of $40,000.

SOPHIA, BULGARIA.—The Bulgarian Government has announced that this city will be lighted by electricity, and asks for bids for lighting and constructing an electric railway. Bids should be in Sophia by Sept. 22, but the final decision will not be made until Oct. 2.

NEW COMPANIES.—Cambridge Springs St. Ry. Co., Cambridge, Pa.; to equip and operate a street railway; W. D. Rider, Jr.; A. F. Brown, J. C. Rider, Jno. Runnette and E. Y. Breck.

The Utah Light & Power Co., Salt Lake City, Utah, with a capital of $4,550,000.

The Cantonsville Ice, Light & Power Co., Cantonsville, Md.; $82,000; to build an electric plant; B. U. Baker, Victor G. Bloede, Wm. H. Gorman, W. M. Oler, Conway Robinson, Hanson Robinson and Dr. C. G. W. McGill.

The Columbus Power Co., Columbus, Ga.; $100,000; G. Gunby Jordan, John Hill and J. F. Hanson.

BRIDGES.

FRAMINGTON, MASS.—Bids are asked until Sept. 1 for constructing a steel, plate girder bridge on abutments, built by the town. J. J. Van Valkenburgh, Engr.

NEWBURYPORT, MASS.—Local papers state that repairs are to be made to the approaches to Chain bridge.

HARTFORD, CONN.—The following bids were received Aug. 4 for constructing a masonry bridge over Park River at Park St.:

P. H. Harrison & Sons, Hartford, Conn.	$29,400
J. P. Falt & Co., Springfield, Mass.	37,940
Hartford Paving & Construction Co., Hartford	34,163
Fred T. Ley & Co., Springfield, Mass.	28,400
Chas. W. Blakeslee & Son, New Haven, Conn.	24,835

NEW YORK, N. Y.—Bids are asked until Sept. 16 for constructing a bridge over the Harlem River, between 125th St. and First Ave. and 134th St. and Willis Ave. Chas. H. T. Collis, Comr. Pub. Wks.

OSWEGO, N. Y.—Reports state that the county supervisors have granted the town of Constantia permission to issue $25,000 in 5% bonds for repairing roads, bridges and culverts.

HACKENSACK, N. J.—Bids are asked until Aug. 21 for constructing an iron or steel bridge, with masonry piers and abutments, across the Hackensack River at the foot of Anderson St. John J. Phelps, Chn. Bridge Com.

WALDWICK, N. J.—The Bergen county board of freeholders has awarded the contract for constructing a 32-ft. Melan arch bridge, 24 ft. wide, to White & Carlough, Waldwick, N. J., at $1,550. The same firm is about completing a 30-ft. Melan bridge, 26 ft. wide, at Ridgewood, N. J.

CHESTER, PA.—Reports state that plans have been prepared for a 90-ft. bridge across the creek in Chester Park. Chas. H. Ladomus, Cy. Engr.

DOYLESTOWN, PA.—The following bids were received Aug. 9 for constructing Ruth's Ford bridge in New Britain township:

Canton Bridge Co., Canton, O.	$3,600
Toledo Bridge Co., Toledo, O.	3,415
Schuylkill Bridge Works	3,465
Tippett & Wood, Phillipsburg, N. J.	3,495
New Jersey Steel & Iron Co., Trenton, N. J.	3,315
Variety Iron Works, Cleveland, O.	3,325
Berlin Iron Bridge Co., East Berlin, Conn. (accepted)	2,455
Groton Bridge & Mfg. Co., Groton, N. Y.	3,500
Frank R. Long, New York	3,517
Pittsburg Bridge Co., Pittsburg, Pa.	3,280
L. R. Shellenberger (Bid B)	2,550

The bids for constructing substructure were: Isaac Lean (accepted), $992; C. M. Bussinger, $970.

PHILADELPHIA, PA.—Reports state that the Jutte & Foley Co., Pittsburg, Pa., has been awarded the contract for constructing the proposed iron and stone bridge at Gray's Ferry. The itemized bids were published in our issue of Aug. 5.

PITTSBURG, PA.—Local papers state that E. M. Bigelow, Dir. Pub. Wks., has awarded the contracts for constructing the proposed bridges over the Pennsylvania R. R. at Shady and South Highland Aves. to the Schultz Bridge & Iron Co., McKee's Rocks, Pa., at $13,225 and $17,975 respectively, and at Penn Ave. to Gustav Kauffman at $13,060.

WILLIAMSPORT, PA.—Jacob Steinhilper & Son have been awarded, at $2.70 a cu. yd., the contract for the masonry work for the proposed bridge across Mosquito Creek, at Du Boistown. The bids for the iron work were rejected as being too high, and new bids will be asked.

HAGERSTOWN, MD.—Reports state that the county commissioners have awarded the contract for constructing a steel bridge over the Little Pool, near Millstone Point to the West Virginia Bridge Co., Charlestown, at $690.

LORRAINE, VA.—It is stated that a bridge is to be constructed here across the James River in connection with the proposed extension of the Tuckahoe & James River R. R.

MANCHESTER, VA.—Reports state that the street railway company proposes to erect a new bridge at this place.

MADISON, KY.—Reports state that a 270-ft. iron truss bridge will be constructed at this place. J. C. Bacon, Chn. Com.

YOUNGSTOWN, O.—Bids are asked until Aug. 25 for constructing the superstructure for the proposed bridge across the Mahoning River at Market St. C. F. Brenner, County Audr.

FRANKFORT, IND.—The following bids were received Aug. 4 for constructing a steel bridge; A. J. Hammond, Cy. Engr.:

Brackett Bridge Co., Cincinnati, O.	$2,850
New Columbus Bridge Co., Columbus, O.	2,650
King Bridge Co., Cleveland, O.	2,897
Toledo Bridge Co., Toledo, O.	2,670
Canton Bridge Co., Canton, O.	2,797
Massillon Bridge Co., Massillon, O.	2,995
Lafayette Bridge Co., Lafayette, Ind.	2,698

SAGINAW, MICH.—Reports state that Mayor Baum is expected to appoint a special committee of five members to confer with the board of public works relative to the cost of building two bridges, one at Genesee St. and the other at Court St.

MATTOON, ILL.—Bids are asked until Sept. 1 for constructing bridge piers along the line of the Peoria, Decatur & Evansville Ry. at Evansville, Ind.; Grayville, Ill., and Newton, Ill., including about 1,600 cu. yds. masonry, 4,000 lin. ft. piling, etc., as stated in our advertising columns. A. L. Davis, Engr.

QUINCY, ILL.—A highway bridge is to be built across the river, according to reports. E. R. Chatten, Cy. Engr.

MILWAUKEE, WIS.—Local papers state that the bids received Aug. 4 for constructing the proposed bridge over Root River on the Smith road have been rejected and new bids asked. Supervisor Bell.

MILWAUKEE, WIS.—Reports state that the Wisconsin Bridge & Iron Co., Milwaukee, Wis., has been awarded at $2,200 the contract for constructing the proposed bridge over Root Creek in Franklin township.

WAUPACA, WIS.—The council is said to be contemplating the construction at the woolen mill of a 32-ft. stone bridge, 16 ft. wide.

AUSTIN, MINN.—The county commissioners have voted to construct two bridges over Otter Creek on the state line, to be 50 and 60 ft. long. Knute Amundson will have charge of the work, according to reports.

WATERVILLE, MINN.—The trestle bridge near this town is to be replaced by a steel structure, according to reports.

HILLSBORO, N. DAK.—Reports state that the following bids have been received for constructing eight county bridges:

Wrought Iron Bridge Co., Canton, O. (accepted)	$7,325
Lafayette Bridge Co., Lafayette, Ind.	8,290
Milwaukee Bridge & Iron Works, Milwaukee, Wis.	8,570
Jas. Kennedy	8,817
Van Norman Bridge Co.	8,918
Wisconsin Bridge & Iron Co., Milwaukee, Wis.	8,980
Wm. S. Hewett	9,000
C. E. H. Campbell	9,497
Chicago Bridge & Iron Co., Chicago, Ill.	9,821
John Jardine	10,554

LA MOURE, N. DAK.—Bids are asked until Sept. 1 for constructing a 30-ft. pile bridge across Cottonwood Creek, in Wano township. Chas. Alister, County Audr.

HELENA, MONT.—Local papers state that two new bridges are to be constructed here. John W. Wade, County Surv.

LOUISIANA, MO.—The Chicago & Alton R. R. will soon commence the construction of a new bridge over the Mississippi River here. H. C. Draper, Ch. Engr., Chicago, Ill.

DENVER, COL.—Local papers state that the bridge over Sand Creek and the bridge on the Brighton road were carried away by the floods of last week.

FLORENCE, COLO.—Seven county bridges are said to have been carried away or damaged by the recent high water.

COLUSA, CAL.—Bids will soon be asked for constructing a 1,200-ft. bridge over the Moulton break on the east side of the Sacramento River.

SANTA ROSA, CAL.—J. A. McMahon has been awarded, at $1,385, the contract for constructing the bridge near Glen Ellen.

BUILDINGS.

EAST CAMBRIDGE, MASS.—Bids are asked by the commissioners of Middlesex county at this place until Aug. 23 for erecting a hospital in the yard of the house of correction. Comr., Levi S. Gould; Arch., Olin W. Cutter, 85 State St., Boston.

WESTERLY, R. I.—Press reports state that the United States Life Saving Service will establish a new station 500 ft. north of the present light on Sandy Point, Block Island; work to begin next spring. S. I. Kimball, Gen. Supt.; Thomas D. Walker, Supt. Construction, Washington, D. C.

NEW YORK, N. Y.—Bids are asked by the department of parks, Arsenal, Central Park, until Aug. 23, for furnishing all the labor and materials necessary to erect the new southeast corner wing and enlargement of the American Museum of Natural History at 78th St. and Columbus Ave.; bond required, $120,000. Archs., Cady, Berg & See, 31 East 17th St.——Bids are asked by the fire department, 157 to 159 East 67th St., until Aug. 25 for erecting a building for the department on 140th St., west of Amsterdam Ave.——Plans have been filed by John Fridel, 516 West 159th St., for two 5-story brick and stone flat buildings on 163d St., west of Amsterdam Ave., to cost $52,000. Arch., John C. Burne, 101 West 42d St.; by Jacob Wicks, Jr., 67 East 92d St., for four 5-story brick flat and store buildings on 117th St., west of 8th Ave., to cost $80,000. Arch., Edward Wenz, 1491 3d Ave.; by Matthew D. Amora and John B. Basco, 2162 1st Ave., for four 4-story brick tenement buildings on 3d Ave., near 172d St., to cost $60,000. Arch., Sol. D. Cohen, 203 Broadway; by Thos. W. Keogh, 907 Kent Ave., Brooklyn, for three 5-story brick flat and store buildings on 8th Ave., north of 47th St., to cost $90,000. Arch., F. B. Cole, 101 Beekman St.; by Moritz Levin, 262 Henry St., for three 5-story brick flat and store buildings at 305 to 309 East 110th St., to cost about $54,000. Arch., Samuel Sass, 25 Chambers St.; by John E. O'Brien, 596 East 134th St., for two 5-story brick flat and store buildings at 148th St. and Amsterdam Ave., to cost $60,000. Archs., Neville & Bagge, 217 West 125th St.; by the New York Life Insurance Co., 346 Broadway, for a 12-story brick store and factory building at Elm and Leonard Sts., to cost $275,000. Archs., Babb, Cook & Willard, 874 Broadway.

ATLANTIC CITY, N. J.—Bids are asked, according to reports, for erecting a 3-story addition to the Hotel Luray, owned by White & Sons.; estimated cost, $35,000. Arch., William L. Price, 731 Walnut St., Philadelphia, Pa.

BAYONNE, N. J.—White & Stevens, Paterson, N. J., have been awarded the contract for erecting the new public school building at 17th and Andrew Sts., at $61,000. Arch., Hugh Roberts, 76 Montgomery St., Jersey City, N. J.

HOBOKEN, N. J.—Bids are asked until Aug. 25 for the mason, carpenter and plumbing work on the new fire engine house in the 3d Ward. M. V. McDermott, Cy. Clk.

PATERSON, N. J.—The following bids were received Aug. 10 for erecting and completing (except heating apparatus, vault doors and tower clock) the new post-office building in this city. Chas. E. Kemper, Acting Super. Arch., Washington, D. C.

		Time.
Charles A. Moses, Chicago, Ill.	$100,887	18 mos.
W. C. Peake, Washington, D. C.	132,000	18 mos.
L. L. Leach & Son, Chicago, Ill.	132,183	18 mos.
Forster & Smith, Minneapolis, Minn.	139,679	15 mos.
McIlvain Unkefer Co., Pittsburg, Pa.	138,757	18 mos.
W. E. Speir, Washington, D. C.	145,500	18 mos.
John W. Ferguson, Paterson, N. J.	145,700	15 mos.
Jos. J. Churchyard, Buffalo, N. Y.	149,622	18 mos.
Morrow Bros., Baltimore, Md.	153,000	18 mos.
Richardson & Burgess, Washington, D. C.	158,800	18 mos.
Doyle & Doake, Philadelphia, Pa.	159,400	12 mos.
P. J. Carlin & Co., Brooklyn, N. Y.	163,450	16 mos.
Thomas Dwyer, Temple Court, New York	175,866	18 mos.
F. Probst, 1180 Broadway, New York	182,562	18 mos.

PITTSBURG, PA.—Reports state that a 10-story hotel, to cost about $800,000, will soon be erected by the Bellefield Co. opposite the proposed new entrance to Schenley Park, between 5th Ave. and Forbes St.——Plans have been prepared for the Holy Cross German Lutheran Church for a new building to be erected at 9th St. and Lehigh Ave., to cost about $60,000.

MORGANSTOWN, W. VA.—I. G. Lazelle, Pres. School Board, informs us that $40,000 in bonds have just been voted for the erection of public school buildings. Competitive plans are now under consideration, and the contracts will be let as soon as practicable.

ST. GEORGE, S. C.—Bids are asked by the commissioners of the new county of Dorchester for erecting a court house at this place. Address L. A. Klauber, St. George, for information regarding plans and specifications.

HUNTSVILLE, ALA.—Press reports state that the commissioners of Madison county will advertise for bids next February for constructing a jail, to cost about $30,000. The contract recently made with the Pauly Jail & Construction Co. to erect the building has been revoked.

YOUNGSTOWN, O.—Bids are asked until Sept. 10 for furnishing and putting in place a low-pressure, return circulation, steam heating and ventilating apparatus for the U. S. post-office building in this city, as stated in our advertising columns. C. E. Kemper, Actg. Supv. Arch., Washington, D. C.

CHARLESTON, ILL.—The following bids were received Aug. 12 for erecting the building for the Eastern Illinois Normal School:

Briggs & Fuller, Charleston (accepted)	$59,950
E. W. Gleason, Chicago, Ill.	58,200
W. E. Frost Mfg. Co., Chicago, Ill.	64,875
J. F. Reese, Chicago, Ill.	77,069
A. J. Ledgerwood, Chicago, Ill.	69,739
J. E. Clark, Chicago, Ill.	70,000
W. Mayor, Chicago, Ill.	68,322

CHICAGO, ILL.—Press reports state that the University of Chicago contemplates erecting a new building to be devoted to the use of the university press, at Ellis Ave. and 58th St.; estimated cost, $200,000. Pres., Dr. Wm. R. Harper; Arch., H. I. Cobb, 100 Washington St.

PEORIA, ILL.—The council, Aug. 9, awarded W. M. Allen the contract for erecting the new 4-story city hall and prison building, exclusive of electric wiring, elevators, heating and plumbing, at $122,900; C. E. Wheelock was awarded the contract for the electric wiring at $2,525.

DES MOINES, IA.—Plans have been prepared for a new station for the Des Moines Union Ry., to cost $140,000. Supt., J. A. Wagner; Arch., Geo. E. Hallett, Equitable Bldg.

HAMILTON, MONT.—The erection of a sanitarium at this place, to cost about $100,000, is contemplated. Dr. N. S. Snyder, Anaconda, Mont., is interested.

DANVILLE, MO.—A special election will be held at this place Aug. 28 to vote upon the issuance of $7,500 in bonds for erecting a jail for Montgomery county.

FORT LEAVENWORTH, KAN.—Bids are asked until Sept. 3 for constructing three double sets of officers' quarters at this place. J. G. C. Lee, Asst. Q. M. Gen., U. S. Army.

TOPEKA, KAN.—The state board of charities, Aug. 12, awarded the contract for constructing the new building for the Topeka Insane Asylum to Michael Heery, at $43,680. The bids for the new building at Winfield were rejected, as they were all in excess of the estimate.

REDLANDS, CAL.—Reports state that plans have been accepted for the new brick and stone memorial and library building to be erected by A. K. Smiley in his park, to cost about $60,000.

WATER-WORKS.

BANGOR, ME.—Walter I. Brown, Clk. Water Bd., informs us that the following bids were received Aug. 9 for 16 headgates and 16 side hoists, as advertised in Engineering News:

R. D. Wood & Co., Philadelphia, Pa.	$14,440
Coulter-McKenzie Mch. Co., Bridgeport, Conn.	19,600
Aetna Fdy. & Machine Co., Warren, O. (accepted)	5,457
Coldwell-Wilcox Co., Newburgh, N. Y.	10,733
Geo. C. Howard, Philadelphia, Pa.	11,778
Holyoke Machine Co., Worcester, Mass.	6,650
Bangor Foundry & Machine Co., Bangor, Me.	7,769
Portland Co., Portland, Me.	6,375
Hinckley & Egery Iron Co., Bangor, Me.	8,938
Stiwell-Bierce & Smith-Vaile Co., Dayton, O.	10,090
Dayton Globe Iron Works Co, Dayton, O.	9,535
The Dickson Mfg. Co., Scranton, Pa.	10,660
S. Morgan Smith Co, York, Pa.	9,400

——The New Jersey Steel & Iron Co., Trenton, N. J., is about to begin the erection of stand-pipe; foundation now completed. The work at the power end is progressing rather slowly on account of high water and other adverse conditions.

OAKLAND, ME.—At the town meeting Aug. 14 the question of constructing works was lost by a majority of 42 votes. It is expected that the matter will come up again in the spring.

SULLIVAN, ME.—This town has voted to construct works, according to reports.

WHITE RIVER JUNCTION, VT.—A press report states as follows: Amos Barnes, of Boston, owner of the Hartford Water Co., is about to develop the business, and will build a reservoir with a capacity of 12,000,000 gallons. The water is to be brought to this place and West Lebanon through an 8-in. pipe, and will be utilized here for light manufacturing purposes and for domestic use. The Boston & Maine R. R. has made a contract to supply their engine houses, etc., with the water in West Lebanon. The expense of the enterprise will be about $15,000. Thirty or thirty-five men will be employed, and it will probably take three months or more to complete the work.

BILLERICA, MASS.—Frederic S. Clark, Chn. Com., writes us that this town voted, Aug. 3, not to construct works. Another meeting will be held in the latter part of September.

BOSTON, MASS.—Bids are asked by the metropolitan water board, 3 Mount Vernon St., until Aug. 31 for four contracts, including the laying of water pipe, constructing dam, etc., as stated in our advertising columns. H. H. Sprague, Chn.; Fredric P. Stearns, Engr.

GROTON, MASS.—Reports state that Chas. H. Dodge has been awarded the contract for constructing the brick pumping station for the water company.

HOLDEN, MASS.—Plans for the proposed works are said to have been completed. Louis E. Hawes, Engr., Boston.

HOLYOKE, MASS.—The water commissioners are said to be considering the construction of a filter plant.

NEW BEDFORD, MASS.—Bids are asked by the New Bedford water-works department until Aug. 26 for constructing a masonry overflow and wasteway; also an earth dam. Geo. S. Rice and Geo. E. Evans, Engrs., 95 Milk St., Boston.

SALEM, MASS.—The water board has been authorized to dispose of the low-pressure pumps at Wenham Lake.

WESTFIELD, MASS.—Reports state that O. E. Parks, Town Engr., has nearly completed the survey of the new water supply. Bids will probably soon be asked.

CRANSTON, R. I.—This town is considering the construction of municipal works, according to reports. Daniel D. Waterman, Town Clk.

MERIDEN, CONN.—The water commissioners have voted to lay mains in sundry streets, to purchase 4,500 ft. of 6-in. main and eight meters.

NEW HAVEN, CONN.—The New Haven Water Co. has increased its capital to $3,000,000 in order to make extensive improvements to the plant, including new filters at the sources of supply.

CORNING, N. Y.—The committee appointed to ascertain the cost of a new reservoir reported that a site would cost $2,000, and the construction $3,000.

KINGSTON, N. Y.—Local papers state that the following bids were received Aug. 12 for constructing the new pipe line:

Canfield Stove Co., Kingston, N. Y.	$56,149
Campbell & Dempsey, Kingston, N. Y.	54,987
Bernard Loughran, Kingston, N. Y.	52,942
Frank Pidgeon, Saugerties, N. Y.	46,973
Alexander Whan, New York, N. Y.	45,409
Rexford Bros., New York, N. Y.	45,404
E. M. Haines & Co., Rhinebeck, N. Y.	43,756
Frank Curnan, Rhinebeck, N. Y. (accepted)	35,209

LITTLE FALLS, N. Y.—The board of public works awarded, Aug. 6, the contract for building the conduit line from Spruce to Beaver Creek, in the town of Salisbury, thus connecting the former stream with the city water supply. Hallinan Bros. & Fenton were the successful bidders, at $6,867. The other bids were: Lansing & Ingham, $8,370; Thomas Kearney, $8,250.

MARATHON, N. Y.—Bids are asked until Sept. 2 for furnishing materials and constructing water-works, as described in our advertising columns. Allen, Farrington & Co., Engrs., Kirk Bldg., Syracuse; O. F. Pickney, Pres. Trustees.

MOUNT HOLLY, N. J.—A 30,000-gallon water tank is to be placed on the 135-ft. tower erected by Hezekiah B. Smith for an observatory tower.

NEW YORK, N. Y.—Bids are asked until Aug. 24 for laying water mains in sundry streets. Chas. H. T. Collis, Comr. Pub. Wks., 130 Nassau St.

SAVANNAH, N. Y.—This town will soon vote on the question of constructing works, according to reports.

TROY, N. Y.—The village of Green Island is considering the question of purchasing the existing system of water-works.

WAYLAND, N. Y.—This town is said to be considering the question of constructing works.

WEST TROY, N. Y.—The West Troy Water-Works Co. has commenced the construction of its new reservoir at Colonie, to cost about $30,000. I. H. Burlingame, Engr.

WINDSOR, N. Y.—The question of constructing works is being discussed, according to reports.

MADISON, N. J.—Reports state that improvements are to be made to the water-works, including the installation of new boilers, etc.

WESTVILLE, N. J.—The Westville Water Co. has been incorporated, with a capital stock of $1,000, to construct water-works in Gloucester county. Richard F. Smith, Wm. J. Kraft, Geo. Pfeiffer, Jr.; Samuel C. Smith, Camden, N. J.

BOYERTOWN, PA.—This town has decided to construct municipal water-works, according to reports. Howard Hartman, Chas. R. Bird, John Schaeffer, committee.

ERIE, PA.—Local papers state that a new pump is soon to be installed at the pumping station.

FAYETTEVILLE, PA.—The Fayetteville Water, Land Improvement & Mfg. Co. will soon apply for a charter to construct works. John W. Dull, Amos B. Lehman et al are interested.

CONFLUENCE, PA.—An election will soon be held to vote on the question of issuing bonds to purchase the electric light plant and to contsruct water-works.

MILLERSTOWN, PA.—Engineer H. Murphy, 326 Walnut St., Philadelphia, Pa., has finished final plans and specifications for a $10,000 water-works plant that is to be erected at Millerstown, Pa. The plant will be built of brick, with stone trimmings, and will be two stories high. All the latest improved machinery, including pumps, engines, boilers, etc., will be introduced. Estimates for the plant will not be taken for about ten days.

SCRANTON, PA.—The North Mountain Water Supply Co. was incorporated Aug. 16, with a capital stock of $50,000, of which $5,000 has been paid in. It is proposed to construct works for supplying, storing or transporting water. Treas., Robert C. Adams, Scranton.

SUNBURY, PA.—The White Deer Creek Water Supply Co. has been incorporated, with a capital stock of $1,000, to construct works in Kelly township, Union county. Monroe H. Kulp, D. C. Kaseman, Shamokin, Pa., are said to be interested.

WEST CONSHOHOCKEN, PA.—This town is said to be considering the construction of municipal works.

BRISTOL, VA.—This town is said to be considering the proposition of M. White et al. to furnish water from Preston Springs.

HAMPTON, VA.—It is reported that a company is being organized to construct works, to cost about $200,000.

LUMBERTON, N. C.—E. K. Proctor, Jr., Mayor, writes us that this town will erect an 85-ft. tower with a 65,000 to 70,000-gallon tank, to supply about 2,500 ft. of mains.

ROXBORO, N. C.—Plans and specifications are being prepared by Henry E. Knox, Charlotte, N. C., for a system of water-works for this town.

CAMDEN, S. C.—The question of constructing municipal works is being agitated here. Mayor Zemp may be addressed.

DOUGLASVILLE, GA.—Surveys are being made for the proposed water-works and electric light systems.

MONTICELLO, FLA.—Plans and specifications are being prepared for a complete system of water-works.

HAZLEHURST, MISS.—An election will soon be held to vote on the question of issuing bonds for constructing works.

HOLLY SPRINGS, MISS.—Bids are asked until Aug. 31 for completing two wells, including the boring, casing and testing. Sam Finley, Mayor.——This town has voted $43,000 for water-works and electric light plants.

CROWLEY, LA.—Bids are asked until Aug. 31 for constructing works. P. J. Chappins, Mayor.

DYERSBURG, TENN.—This city will soon vote on a proposition to issue $40,000 in bonds for constructing water-works and an electric light plant. Mayor W. F. Fowlkes may be addressed.

HUNTINGDON, TENN.—This town voted Aug. 7 to issue $17,000 in bonds for constructing water-works and an electric light plant, and bids will soon be asked. Geo. T. McCall, Huntingdon, may be addressed; E. E. Davis, Engr., Newbern, Tenn.

CALDWELL, O.—Cyrus McGlashan, Clk., writes that at an election held Aug. 14 this place decided to issue bonds to the amount of $15,000 for works.

COLUMBUS, O.—Reports are being circulated that a private company is making efforts to obtain control of the city water-works.

GREENVILLE, O.—It is reported that the water-works trustees are planning to deepen one of the present wells as an experiment. If successful, all will be treated the same way.

LANCASTER, O.—The contract for extending water service on several streets has been awarded to Work Bros.; 2,900 ft. of 4-in. cast iron pipe will be placed, at 31 cts. complete; five fire hydrants at $21.25 each, and 4 gage valves at $8.50 each.

YOUNGSTOWN, O.—It is reported that work has been commenced on laying 4,200 ft. of new water main. This will permit the placing of nine 6-in. fire hydrants.

SCOTTSBURG, IND.—It is reported that efforts are being made to build water-works and establish a fire department at this place.

MUNISING, MICH.—Contracts have been let to the Shaw-Kendall Engineering Co., Toledo, O., for the construction of a complete water-works plant. The work involves the construction of a reservoir 200 ft. above the level of the town, supplied by a spring, and a pumping station on the shore of the bay for emergency. The contract price is $27,500.

WAYLAND, MICH.—The question of constructing a $4,000 water-works system is being considered by the people of this place.

ALTON, ILL.—It is reported that the New England Water-Works Co. wants to make improvements and put in a filter, the total cost to be about $70,000.

ASTORIA, ILL.—The Phoenix Construction Co., Chicago, Ill., will construct the water-works of this place for $12,117.

DYERSVILLE, IA.—J. J. Dunn has received the contract for installing a system of water-works for fire protection.

SLEEPY EYE, MINN.—An election was held Aug. 10 to vote on the question of issuing bonds for constructing works.

COLUMBUS, KAN.—This city voted Aug. 10 to purchase at $30,000 the water-works previously owned by a private company.

HASTINGS, NEB.—The American Well Works, Aurora, Ill., has been awarded the contract for sinking two new wells at the city water-works pumping station; also for the erection of air lift machinery.

MYRTLE POINT, ORE.—The council has granted the Marshfield Electric Light & Power Co. a 30-year franchise to furnish the city with electric light and water-works systems. F. M. Friedberg, Mgr.

SANTA CLARA, CAL.—C. E. Moore, Consult. Engr., writes us that this town is about to construct a pumping reservoir for use in connection with the artesian wells.

VERNON, B. C.—F. McGowen, Cy. Clk., writes us that bids will probably soon be asked for constructing the proposed works. Population, 850.

FORT WILLIAM, ONT.—E. S. Rutledge, Clk., writes us that nothing further will be done in construction of water-works until the commissioners are elected, Sept. 15.

IRRIGATION.

CROWLEY, LA.—It is reported that an irrigation system to improve 15,000 acres is about to be constructed. J. F. Morris and E. Miller, of this place, and Wm. Miller, of Des Moines, are mentioned as the promoters.

JOLIET, ILL.—It is expected that 5,000 men will be employed on the Joliet end of the Chicago drainage ditch by November.

ST. PAUL, MINN.—The contract for what is known as the Sand Hill River extension was awarded to James Kennedy at 7.45 cts. a cu. yd. This is an addition to the ditches already constructed under the state drainage commission.

SALINAS, CAL.—E. E. Hall, Pres. Salinas Valley Water Co., has asked for the right to cross country roads with irrigation ditches for a distance of about 50 miles down the Salinas valley. These canals will water about 162,000 acres of excellent land.

RAWLING'S, WYO.—It is reported that the Union Pacific R. R. will turn a mountain stream into Dry Lake. This will make a lake 4 miles long, 2 wide and 40 ft. deep. Pipe lines will be run to the company's yards and shops. The cost is estimated at about $12,000.

RIVERSIDE, CAL.—Bids are asked until Sept. 7 for constructing 6,425 ft. of cement ditch and a pipe line 525 ft. long. W. R. McCully, Secy. Eastern Irrigation District.

NEW COMPANIES.—The Canyon Water Co., Pomona, Cal.; $312,000; to develop and control the water flowing from the San Antonio canyon; A. T. Burrier, F. L. Palmer, P. J. Dreher, James Harvey and C. B. Messenger.

Twin Lakes Reservoir Co., Pueblo, Colo.; $420,000; to build dams and supply water for irrigation and other purposes; W. L. Hartman of this place is one of the company.

SEWERAGE.

NEWPORT, ME.—The following bids were received, Aug. 10, for constructing sewers, as noted in our issue of Aug. 5:

Geo. F. Healey, Waterville, Me.	$2,200
D. F. Griffin & Bro., Portland, Me.	2,007
Levi Bushley & Son, Waterville, Me.	1,987
Charles W. Taylor, Natick, Mass.	1,904

ST. ALBANS, VT.—The sewer commission appointed by Mayor Smith to investigate the need of surface drainage has made a report recommending the construction of storm sewers at an estimated cost of $11,392; also the deepening and widening of Stevens' Brook, estimated cost $5,000.

BOSTON, MASS.—The following bids have been received by Benj. W. Wells, Supt. Sts., for constructing sewers and drains: In Tonawanda St., between Geneva Ave. and Greenbrier St., Dorchester: P. F. Lonergan, $3,379; James Dolon, $3,492; W. M. Merrill, $2,904; Soucion & O'Brien, $2,535; Michael Russo & J. B. Dolton, $2,636; H. A. Hanscom & Co., $2,766; D. E. Lynch, $2,629; J. P. O'Connell, $2,734; D. & F. E. McCarthy, $2,492. In Coffey St., between Ashmont St. and private land: F. H. Connolly, $2,606; H. A. Hanscom & Co., $2,734; Collins & Ham, $2,873; D. E. Lynch, $2,458; Quimby & Ferguson, $2,370; D. & F. E. McCarthy, $3,067; W. M. Merrill, $3,073; J. P. O'Connell, $2,477; James

Dolan, $3,090; Michael Russo & J. B. Dolton, $3,163. All the bids submitted Aug. 6 for 200,000 granite paving blocks have been rejected as excessive. The figures ranged from $38.49 to $44 a thousand.——The following bids were received Aug. 16; for catch-basin drain in St. Botolph and Irvington Sts.: J. P. O'Connell, $527; Daniel E. Lynch, $507; T. F. Lynch & Co., $803; W. M. Merrill, $621; James Dolan, $468 (accepted). For sewer in Walnut Ave., from Pickering Ave. to Rockland St., Roxbury: J. P. O'Connell, $544; T .F. Lynch & Co., $822; T. H. Connolly, $507; P. F. Lonergan & Co., $504; Daniel E. Lynch, $537; Thomas Burke, $478; James Dolan, $447 (accepted); W. M. Merrill, $624.

CHELSEA, MASS.—G. L. Mirick, Malden, Mass., has been awarded at $5,358 the contract for constructing sewers and making connection with the metropolitan system.

NEW BEDFORD, MASS.—Sewers are to be built in several streets, according to reports. C. F. Lawton, Supt.

PITTSFIELD, MASS.—The board of public works has authorized the construction of a 900-ft. sewer in Bridgman St. and is considering the construction of a sewer in Onota St.

QUINCY, MASS.—The sewer commissioners have asked the council for an appropriation of $100,000 to complete the pumping station and for extensions.

SPENCER, MASS.—Bids are asked until Aug. 19 for establishing filter beds for sewage disposal. Nathan E. Craig, Supt. Sewers.

WINDSOR LOCKS, CONN.—E. W. Shedd, Providence, R. I., has nearly completed plans for a sewer system for this town.

AMSTERDAM, N. Y.—The sewer commissioners have decided to construct several catchbasins and extensions in various streets, according to reports.

COXSACKIE, N. Y.—Geo. F. Chism, 92 State St., Albany, is preparing plans for a sewer system for this town and expects to have same completed by Sept. 1. Correspondence is solicited with manufacturers of sewer materials and supplies.

MOUNT VERNON, N. Y.—Bids are asked until Aug. 30 for constructing sewers in Jackson St. and Franklin Ave. Wm. N. Hoyt, Cy. Clk.

NEW ROCHELLE, N. Y.—Press reports state that the sewer commissioners have decided not to use the $65,000, recently voted for improvements in the sewer outlet pumping station and disposal works, but have adopted a plan which is expected to carry the matter away by gravitation. This plan contemplates a sloping tunnel through Hudson Park and along Potter Shore to a point beyond Bailey's Rock, emptying the sewage three hundred yards from tidewater. The bonds will not be issued until the plans are completed and accepted by the state board of health, but the commissioners will proceed at once to sell $20,000 in sewer certificates to build mains.

NEW YORK, N. Y.—Bids are asked until Aug. 20 for constructing sewers in various streets. Chas. H. T. Collis, Comr. of Pub. Wks., 150 Nassau St.

NEW YORK, N. Y.—Bids are asked until Aug. 30 for constructing sewers in sundry streets. Chas. H. T. Collis, Comr. Pub. Wks., 150 Nassau St.

ONEIDA, N. Y.—Bids are asked until Aug. 31 for constructing about 3½ miles of pipe sewers, as stated in our advertising columns. Stanwix Engineering Co., Engs., Rome, N. Y.; E. R. Boden, Clk. Comrs.

TROY, N. Y.—Local papers state that Martin Schenck, Cy. Engr., has been directed to prepare specifications for cleaning the sewers in Union St., between State and Congress Sts., in Fourth St., south of Hanover St., and the great South sewer. The contract for constructing a sewer in Sixteenth St., 100 ft. north of Christie St., was awarded to H. J. Eveline at $1.20 a ft. and 25 cts. a ft. for laterals.

HOBOKEN, N. J.—Bids are asked until Aug. 25 for cleaning five sewers. M. V. McDermott, Clk. Council.

PATERSON, N. J.—Sewers are to be constructed in various streets. Thomas McLean, St. Comr.

GEORGETOWN, DEL.—Reports state that this town has decided to secure the services of an engineer to estimate the cost of the proposed sewer system.

ALEXANDRIA, VA.—A sewer is to be constructed in Cameron St. at an estimated cost of $1,800.

NEWPORT NEWS, VA.—Mayor W. A. Post has signed the resolution providing for a sewage commission to consist of three members of the council, the mayor and Geo. V. Alsop, Cy. Engr. An appropriation of $1,000 has been made to defray the expenses of the preliminary work.

JACKSON, MISS.—The council has directed Walter G. Kirkpatrick, Cy. Engr., to complete plans for a sewer system and has authorized the issue of bonds for the construction.

NORWOOD, O.—Bids are asked until Sept. 4 for constructing sewers in sundry streets. W. E. Wichgar, Clk.

CLEVELAND, O.—Bids are asked until Sept. 9 for constructing sewers in Oliver St. and Case Ave. Geo. R. Warden, Dir. Pub. Wks.——The following bids were received Aug. 6 for constructing the second section of the Walworth Run sewer, as advertised in Engineering News:

M. F. Bramley & F. E. Gribben	$202,980
Campbell Bros	208,143
William Eggers	213,525
Clements Bros	212,912
Chicago Star Cons. & Dredging Co	217,410
H. W. S. & James Wood	220,955
McGary & McGowan	227,895
Wilson & Strack	230,180
D. & G. Griese	241,800
N. O. Paving & Construction Co	242,250
Degnon-McLean Construction Co	245,266
Ford P. Beers	263,466
Claflen Paving & Construction Co	296,052

The board of control recommend that the director of public works be authorized to enter into contract with M. F. Bramley & F. E Gribben, the lowest bidders, for the work as specified.

CLEVELAND, O.—L. H. Fahey has been awarded at $1,800, the contract for constructing a main sewer along the Lake Shore & Michigan Southern Ry. tracks.

LAKEWOOD, O.—This town is considering a plan for the disposition of the sewage in the territory between the city limits and the Rocky River.

TOLEDO, O.—Bids are asked until Aug. 30 for constructing a 24-in. cylindrical brick sewer with a 4-in. shell, in Fitchland Ave. and a 15-in. pipe sewer in two streets, also until Sept. 13 for constructing a 54-in. cylindrical brick sewer with a 9-in. shell, in Third Ave. Lem. P. Harris, Cy. Clk.

ITHACA, MICH.—It is reported that the village authorities are contemplating the construction of a system of sewerage which will cost $15,000 at first, with extensions in a short time costing $20,000 more.

YPSILANTI, MICH.—Bids are asked until Aug. 20 for constructing sewers in sundry streets. P. W. Carpenter, Clk. Bd. Pub. Wks.

CHICAGO, ILL.—Bids are asked until Aug. 20 for constructing sewers in 25 streets and avenues.——Local papers state that condemnation proceedings are to be commenced to secure land at 95th St. and the Calumet River for use as a site for a pumping station. This is the first step taken in the construction of the proposed Dauphin Park sewer system, which is to drain the territory lying east of Wentworth Ave., between 87th and 105th Sts. The estimated cost of the proposed sewer system is $800,000.

KEWANEE, ILL.—This town is considering the construction of a sewer system, according to reports.

MACOMB, ILL.—The council has passed ordinances providing for the construction of about 6,551 ft. of sewers.

OMAHA, NEB.—Bids will soon be asked, according to reports, for the construction of about 3,000 ft. of 12-in. sanitary sewer in Missouri Ave.; estimated cost $2,600.

MACON, MO.—It is reported that this town is considering the question of constructing a complete sewer system.

ST. LOUIS, MO.—Bids are asked until Aug. 27 for constructing sewers in several streets. Robert E. McMath, Pres.; Emory S. Foster, Secy. Bd. Pub. Improvements.

SPOKANE, WASH.—The following bids were received Aug. 3 for constructing sewers in Fourth and Fifth Aves. and Maple St.: Peter Costello, $5,864; J. C. Broad, $5,610; E. G. Sherman, $5,460; Fife & Conlan, $5,300 (accepted).

EMERYVILLE, CAL.—It is reported that bonds will soon be issued for constructing a complete sewer system.

PALO ALTO, CAL.—The construction of a sewer system for this town is under consideration and plans and estimates have been submitted by the engineer.

CHARLOTTETOWN, P. E. I.—This city is considering the construction of a sewer system, according to reports.

PETERBORO, ONT.—Kennedy & Wade have been awarded at $9,916 the contract for constructing the proposed sewer system, the town to furnish the pipe, cement and brick.

RAT PORTAGE, ONT.—Bids are asked until Aug. 23 for constructing about 4,600 ft. of sewer pipe. J. K. Brydon, Town Clk.

GARBAGE DISPOSAL—STREET CLEANING

DANVILLE, VA.—The council is considering the question of purchasing a street sprinkler, according to reports. Mr. Moseley is interested.

MILWAUKEE, WIS.—Local papers state that the final vote on the ordinance to issue $120,000 in bonds for constructing a garbage plant will be taken Aug. 30.

OMAHA, NEB.—A committee has been appointed to investigate the cost and advisability of purchasing a street sweeper.

STREETS AND ROADS.

NORTH ADAMS, MASS.—Bids are asked until Aug. 28 for paving about 7,600 sq. yds. of Main St. with brick, as stated in our advertising columns. J. H. Emigh, Cy. Engr.; James E. Hunter, Comr. Pub. Wks.

WELLESLEY, MASS.—Bids are asked by the board of selectmen until Aug. 24 for building Great Plain Ave., draining Wellesley Ave., and for a sidewalk on Seaver St.; bond required, $2,000. Henry Childs, Supt. Sts.

WEST ACTON, MASS.—The town of Boxboro desires bids for the crushing and rolling of about 2,400 tons of the stone for the section of the state highway to be built there this season. Address Albert Littlefield.

EAST HADDAM, CONN.—Bids are asked by the board of selectmen, until Aug. 27, for grading and macadamizing a section of the Midland road from Goodspeed to Moodus. Jas. H. Macdonald, Chn. State Highway Commission, Hartford, Conn.

KILLINGLY, CONN.—Bids are asked by the board of selectmen, until Aug. 23, for macadamizing a section of road from the village of Dayville extending toward Attawangan. Address O. W. Bowen, Selectman, Danielson, Conn.

MANCHESTER, CONN.—Bids are asked by the board of selectmen, until Aug. 25, for grading and macadamizing a section of Main St.; bond $1,000. Address Clarence G. Watkins, South Manchester, Conn.

NORTH HAVEN, CONN.—Bids are asked until Aug. 24 for constructing a pavement and for the improvement of public roads; R. T. Linsley, Selectman; David C. Sanford, Engr., 87 Church St., New Haven, Conn.

NORWALK, CONN.—Bids are asked until Aug. 24 for furnishing and laying on Wall St. about 4,100 sq. yds. of brick pavement, 125 cu. yds. rubble masonry, 1,400 lin. ft. curbing and 800 sq. yds. of flagging. E. M. Lockwood, Cy. Clk.

ORANGE, CONN.—Bids are asked by the selectmen of the town, until Aug. 23, for grading and macadamizing a section of Main St. West Haven. Walter A. Main, Selectman, Orange.

PLAINFIELD, CONN.—Bids are asked until Aug. 25 for state road work in this town, as stated in our advertising columns. C. E. Chandler and S. B. Palmer, Engrs., Norwich, Conn.

PLAINVILLE, CONN.—Bids are asked until Aug. 23 for building a portion of the state highway through the town; bond required, $1,000. Selectman Belden may be addressed.

PUTNAM, CONN.—Bids are asked until Aug. 25 for grading and macadamizing a portion of the Dayville road. Charles D. Torrey, Selectman.

SIMSBURY, CONN.—Bids are asked until Aug. 25 for grading and macadamizing a section of state highway in this town. W. H. Whitehead, Selectman.

STAMFORD, CONN.—Bids are asked until Aug. 30 for about 1,934 sq. yds. of brick paving on Atlantic St., and 3,842 sq. yds. on Park Row. Wm. B. Cochrane, Cy. Engr.

ARVERNE (L. I.), N. Y.—Bids are asked by the trustees of this village until Aug. 24 for stone flagging and for cement sidewalks. A. E. Karelsen, Village Clk.

BROOKLYN, N. Y.—Bids are asked until Aug. 26 for grading, preparing for and paving and otherwise improving the Clinton Ave. bulkhead, the approaches to same through Lemon St., and Clinton Ave. extension, and Fleeman Ave. from Flushing Ave. to Lemon St.; surety required, $15,000. Theo. B. Willis, Comr. Cy. Wks.——The council has declared its intention to repave Linwood St., from Jamaica Ave. to New Lots Ave., with asphalt; also to repave Wyona and Hendrick Sts., from Jamaica to Pitkin Ave.

BUFFALO, N. Y.—The following bids have been received for paving (a) Landon St. and (b) Chenango St.; R. G. Parsons, Secy. Bd. Pub. Wks.: German Rock Asphalt Co. (a) $5,228, and (b) $8,938; Columbia Construction Co. (a) $6,103, and (b) $8,323; Barber Asphalt Paving Co. (a) $5,392, and (b) $8,732; P. B. McNaughton, with brick, (b) $7,136.

COLLEGE POINT, N. Y.—Bids are asked until Aug. 25 for brick paving, etc., as stated in our advertising columns. G. A. Rouillier, Engr., 20 Main St, Flushing.

COXSACKIE, N. Y.—George F. Chism, 92 State St., Albany, N. Y., writes us that this village has engaged him to establish the official grades of the various streets, and that considerable grading will be required. Plans will be presented at the next meeting of the village trustees.

JAMESTOWN, N. Y.—The following bids were received Aug. 9 for about 11,035 sq. yds. brick paving, 5,067 lin. ft. curbing, 3,000 cu. yds. excavation, 100 lin. ft. 30-in. storm sewer, 732 lin. ft. 18-in. storm sewer, 340 lin. ft. 10-in. storm sewer, 12 catchbasins and 4 manholes; Geo. W. Jones, Cy. Engr.;

Mullen & Kelley, Jamestown	$19,799
William Hjorth & Co., Jamestown	20,329
Jamestown Construction Co., Jamestown	19,078
Prout & Swanson, Jamestown (accepted)	18,557

EASTCHESTER, N. Y.—Bids are asked until Aug. 26 for grading and paving three roads, as described in our advertising columns. Wm. J. Fisher, Town Clk., Tuckahoe, N. Y.

MOUNT VERNON, N. Y.—Bids are asked until Aug. 30 for the regulating, grading, etc., of North 8th St. Wm. N. Hoyt, Cy. Clk.; F. S. Odell, Comr. Pub. Wks.

NEW YORK, N. Y.—Bids are asked by the department of public works until Aug. 24 for the regulating and paving with asphalt of portions of about 35 streets; also for granite or syenite block paving on four streets. Chas. H. T. Collis, Comr. Pub. Wks., 150 Nassau St.——Bids are asked by the department of docks, Pier A, North River, until Aug. 24 for furnishing and putting in place about 12,500 cu. yds. of small cobble stones. Secy., Geo. S. Terry.

NEW YORK, N. Y.—Bids are asked until Aug. 30 for regulating and grading portions of 9th and Nagle Aves., etc. Chas. H. T .Collis, Comr. Pub. Wks., 150 Nassau St.

WEST POINT, N. Y.—Bids are asked until Aug. 30 for asphalt paving in the area of Cadet Hospital. J. B. Bellinger, Capt. and Asst. Q. M., U. S. Army.

HOBOKEN, N. J.—Bids are asked until Aug. 25 for the improvement of Paterson Ave. and River St., and for the grading of Madison St. M. V. McDermott, Cy. Clk.; Chas. A. Meyer, Cy. Surv.

NEW BRUNSWICK, N. J.—The following bids were received by the county board of freeholders, Aug. 17, for constructing a gravel road from South Amboy to the macadam road at Browntown, in Madison township: Rue & Fountain, $7,897; Quinlan & Leary (accepted), $5,295; Geo. A. Thomas, $7,496.

PATERSON, N. J.—Bids are asked by the board of freeholders of Passaic county until Aug. 20 for grading and macadamizing the road leading to Verona, from the Long Hill Road to the Essex county line. Edward N. Keirtt, Chn.; William Whitmore, County Engr.

UNION, N. J.—Bids are asked by the council until Aug. 24 for the paving with brick, reflagging, recurbing, etc., of Main St., between Bergenline Ave. and the Bullsferry Road. Charles Singer, Jr., Town Clk.

ALLEGHENY, PA.—The contract for the paving of California Ave., from Sedgwick St. to Island Ave., has been awarded to Booth & Flynn, at $6,133.

BRISTOL, PA.—Bids are asked by the committee on streets and highways until Aug. 23 for macadamizing Cedar St., from Mill to Walnut St. Chn., R. T. Fetrow.

FREEDOM, PA.—Dager & McKinney, Canton, O., have been awarded the contract for paving about one mile of Main St. with brick, and for about 2,200 ft. of sewerage, at a total of about $20,000. J. P. Leaf, Borough Engr., Rochester, Pa.

CELINA, O.—Bids are asked until Aug. 28 for the ditching, grading and graveling, and for the construction of the necessary bridges and culverts of the Scott Road improvement; length of road, 5,325 ft. A. W. Fishbaugh, Engr.

CINCINNATI, O.—Bids are asked until Sept. 7 for the brick paving, grading, curbing, etc., of Winslow Ave., from Crown to Oak St. August Herrmann, Pres. Bd. Administration; H. J. Stanley, Cy. Engr.

CLEVELAND, O.—Bids are asked by the commissioners of Cuyahoga county until Aug. 25 for grading, draining and paving of about 3⅝ miles of the Lorain Road, in Brooklyn township; also until Aug. 28 for the grading of about 8⅝ miles of the Breckville Road in Newburgh, Independence and Brecksville townships; securities, bonds, $1,000 each. Julius C. Dorn, County Clk.

DAYTON, O.—Bids are asked until Aug. 30 for grading, graveling and paving with boulders on sundry alleys. O. E. Davidson, Pres. Bd. Cy. Affairs; J. E. Gimperling, Cy. Comptroller.

HAMILTON, O.—B. D. Bartow has been awarded the contract for curbing and paving Main St. with block asphalt from A St. to Millville Ave. L. A. Dillon, Cy. Engr.

TOLEDO, O.—Bids are asked until Aug. 30 for paving St. Louis St., from Starr Ave. to Nevada St., and Huron St., from Monroe to Washington St. Lem. P. Harris, Cy. Clk.; Wm. G. Clark, Cy. Engr.

ORLEANS, IND.—At a recent election in this place it was voted to construct about 30 miles of gravel roads, to cost $46,000.

CHICAGO, ILL.—Bids are asked until Aug. 21 for furnishing and putting in place the clay and black soil on Ridge Ave., from Devon Ave. to the north city limits. J. F. Morton, Secy. Comrs. Ridge Ave. Park District; W. A. Shaw, Engr., 907 Chamber of Commerce Bldg.

CHILLICOTHE, ILL.—Bids are asked until Aug. 21 for the construction of a roadway across East River, said roadway to consist of about 1,000 cu. yds. of embankment. Address H. C. Pettett, Cy. Attorney, for plans and specifications.

LA GRANGE, ILL.—Bids are asked until Aug. 30 for the brick paving and the curbing of Spring, Waiola and Bell Aves., as stated in our advertising columns. A. H. Hurd, Village Clk.; W. B. Ewing, Village Engr.

DES MOINES, IA.—Bids are asked until Aug. 23 for curbing and grading on sundry streets. L. Higgins, Cy. Engr.

KEOKUK, IA.—Bids are asked until Aug. 31 for 550 cu. yds. of grading and 1,320 yds. of macadamizing on 5th St.; for 450 yds. of excavation, 1,337 yds. of brick paving and 600 ft. of stone curbing for 6th St.; also for 230 yds. of excavation and 667 yds. of brick paving on a certain alley. G. M. Walker, Cy. Engr.

ST. LOUIS, MO.—The following are the lowest bids received for curbing, guttering, etc.: For repairing gutters, curbs and crosswalks with limestone within the 1st District, G. Eyermann, Jr., $3,608; 2d District, Bambrick-Bates Construction Co., $4,639; 3d District, Stifel & Ruckert, $2,799. For constructing new crosswalks of limestone or vitrified brick within the 1st District, John A. Lohrum, $739; 2d District, Skrainka Construction Co., $1,894; 3d District, Bambrick-Bates Construction Co., $720.

MANUFACTURING PLANTS.

BUCKLAND, CONN.—The Peter Adams paper mill at this place was destroyed by fire Aug. 11 causing a reported loss of about $35,000. The mill was owned by J. D. Pickles & Bro.

BUFFALO, N. Y.—Morris Guske will soon erect a 2-story brick factory building to cost $12,000; Arch., Bethune, Bethune & Fuchs, 51 West Huron St.——Frank B. Baird, Vice-Pres. Buffalo Furnace Co., is reported as saying that the Union Iron Works Co. will build a blast furnace, docks, trestles, etc., in South Buffalo, at a cost of $400,000.

ARLINGTON, N. J.—A three and a one-story brick addition will soon be erected in Kearney by the Nairn Linoleum Co., to cost about $30,000. J. D. Day, Prudential Bldg., has been awarded the contract for the mason work; Arch., C. P. Baldwin, Prudential Bldg., Newark, N. J.

POTTSTOWN, PA.—Reports state that the Champion Silk Co., composed of New York capitalists, has purchased the Bannockburn Mills property at this place, and will immediately erect new buildings and new machinery necessary to manufacture silk thread. Operations will probably commence in the fall, when 200 hands will at first be employed.

BALTIMORE, MD.—A fire in this city Aug. 15 destroyed the saw and planing mills of the Tunis Lumber Co., at the foot of Boston St., causing a reported loss of about $600,000; fully insured.

SALISBURY, N. C.—The El Dorado Cotton Mfg. Co. has been incorporated here to erect a cotton spinning mill near this town. The incorporators are: Lee S. Overman, Theo. F. Kluttz, Kerr Craige, L. H. Clements, W. A. Smith and J. C. McCanless.

DENMARK, S. C.—Our correspondent informs us that the Denmark Agricultural Implement Mfg. Co. has nearly completed its buildings and that the necessary machinery will soon be installed.

YORKVILLE, S. C.—The Yorkville Cotton Mills Co. of this place, which has been in operation only two months, will soon double the capacity of its plant.

MONTGOMERY, ALA.—The Western Railway Co. of Alabama will rebuild the machine shops, round house and other buildings recently burned. Several locomotives will be needed to replace those destroyed. R. T. Pace, Purchasing Agt., Atlanta, Ga.

EVANSTON, ILL.—D. S. McMullen, Pres. McMullen Woven Wire Fence Co., Chicago, informs us that the plans for the new plant at this place are about complete, and some contracts let; the railway sidings are in, and it is expected to push the work of construction vigorously.

BARNUM, TEX.—On Aug. 9 the planing mill, dry kiln, lumber yard and some dwellings belonging to W. T. Carter & Bro. were destroyed by fire; reported loss, $250,000; small insurance.

GAS PLANTS.

BROCKTON, MASS.—The Brockton Gas Co. will build a new plant on Grove St.

ROME, N. Y.—The Rome Gas Co. is making improvements to its plant at an estimated cost of $20,000.

WASHINGTON, D. C.—Bids are asked until Aug. 23 for furnishing and installing gas and electric light fixtures in the U. S. Public buildings at Youngstown, O.; Omaha, Neb.; New London, Conn, and Allegheny, Pa.; O. L. Spaulding, Asst. Secy. Treasury.

CINCINNATI, O.—Local papers state the Cincinnati Gas Light & Coke Co. proposes to extend its mains to Hartwell.

OMAHA, NEB.—I. N. Knapp, Supt., writes that G. J. Roberts is building a new plant at 20th and Center Sts. for the Omaha Gas Mfg. Co. G. H. Waring, Jr., Engr. for contractor.

CORSICANA, TEX.—It is reported that the Texas Petroleum Oil Co. will increase its capital stock from $1,000 to $100,000 and will proceed to develop its 25,000 acres of oil well leases. J. L. Autry, Pres.

VANCOUVER, B. C.—The Vancouver Gas Co., Ltd., has offered to sell its plant to the city for $250,000.

NEW COMPANIES.—Central City Oil & Gas Co., Central City, W Va., $1,000,000; W. F. Hall, J. W. Graham, A. L. Shockey, Jefferson Champion, E. H. Evans.

McGrane Acetylene Gas Co., New York, N. Y.; $75,000; to manufacture acetylene gas generators; John J. McGrane, L. T. McGrane, Frank T. Sembler.

Standard Acetylene Gas & Mfg. Co., Philadelphia, Pa.; $200,000 with $1,150 paid in; E. A. Beaumont, H. H. Suplee, E. F. Tindall, S. D. Slonaker, John H. Rose.

Camden Fuel Gas Generator Co., Camden, N .J.; $2,000, with $1,525 paid in; to manufacture all kinds of gas and oil generators; J. L. Westcott, Wm. M. Mires, Chas. Hollinshed, A. L. Osgood.

MISCELLANEOUS CONTRACTS.

DREDGING.—Brooklyn, N. Y.—Bids are asked until Aug. 24 for dredging at and around the pier at the foot of 49th St. T. B. Willis, Comr. of Cy. Wks.

HARBOR WORK.—Waukegan, Ill.—It is reported that the plan for harbor work at this place has at last been agreed upon and that Mayor Pearce will ask for bids.

EXCAVATION.—Brooklyn, N. Y.—Bids are asked until Aug. 25 for excavating and removing 30,000 cu. yds. of material from Wallabout Basin. Theodore B. Willis, Comr. Cy. Wks.

HIRE OF DREDGE.—New Orleans, La.—Bids are asked until Sept. 3 for the hire of a dredge for improving Bayou Lafourche, La. Maj. Jas. B. Quinn, U. S. Engrs., 349 Carondelet St.

PAVILION PIER.—Philadelphia, Pa.—It is reported that the city will construct a pier 500 ft. long and 80 ft. wide. The lower portion will be devoted to shipping, while above will be placed a pavilion extending over the entire area.

PARK IMPROVEMENT.—New York, N. Y.—Bids are asked by the park commissioners until Aug. 23 for improving a city park, involving 100 cu. yds. excavation, 270 lin. ft. bluestone edging, 5,000 sq. ft. concrete pavement, etc.

OIL ENGINES, ETC.—Willets Point, N. Y.—Bids are asked until Sept. 6 for furnishing and delivering at New York, oil engines, rotary transformers, and storage batteries, as stated in our advertising columns. Maj. G. D. Knight, U. S. Engrs.

PIER.—St. Joseph, Mich.—Bids are asked until Aug. 27 for the reconstruction of the harbor pier and boat incline of the life saving station at this place. J. K. Upton, Acting Gen. Supt. U. S. Life Saving Service. Treasury Dept., Washington, D. C.

REMOVAL OF DEBRIS.—New York, N. Y.—Bids are asked until Sept. 1 for the removal and purchase of debris at the U. S. Immigration Station, Ellis Island, N. Y. H., as stated in our advertising columns. C. E. Kemper, Actg. Supv. Arch., Washington, D. C.

LEVEE WORK.—New Orleans, La.—Bids are asked until Aug. 21 for levee work to the amount of 600,000 cu. yds. and until Aug. 31 for about 1,000,000 cu. yds. Nearly all of the bids opened Aug. 11 were rejected as too high and the work will be readvertised. Geo. McC. Derby, Capt. Engrs., U. S. Army, New Orleans, La.

LEVEES.—New Orleans, La.—Bids are asked until Aug. 20 for constructing 3,500 ft. of levee, to contain about 35,000 cu. yds. of earth, and 290,000 ft., B. M., of lumber; also 2,440 ft. to contain 28,000 cu.yds. of earth and 217,000 ft., B. M., of lumber; also 2,018 ft. to contain 39,000 cu. yds. O. Thoman, Pres. Bd. Comrs, 14 Masonic Temple.

DAMS.—Morgantown, W. Va.—Owing to the failure of James McCarron, Philadelphia, to give proper bond, the contract for constructing the six dams in the Monongahela River above this place, which was awarded to him at $622,183, has been withdrawn. The bids received April 27 were published in our issue of May 13.

BOILERS, PLUMBING, ETC.—New York, N. Y.—Bids are asked until Aug. 24 for boilers, piping, etc., at Ward's Island; for plumbing at Central Islip; plumbing, heating, etc., and for electric conduit system for pier building, foot of East 116th St., New York, as stated in our advertising columns. Henry E. Howland, Pres., 1 Madison Ave.

CONTRACT PRICES.

SEWERS.—Corry, Pa.—Geo. D. Gilbert, Cy.Engr., writes us that the five contracts for constructing sewers, for which bids were opened Aug. 9, as advertised in Engineering News, were awarded to Ulrick, Nissley & Williams, Springfield, O., at $10,890, $1,178, $988, $1,255 and $3,074. The firm submitted the lowest bid on each contract. The bids for the Congress St. system were as follows:

Quantities.		Ulrick, Nissley & Williams, Springfield, O.	Henry Gantz, Columbus, O.	E. E. Love & Co., Corry, Pa.
24-in. pipe	417 ft.	$1.10	$1.20	$1.50
22-in. "	981 "	.95	1.10	1.35
18-in. "	404 "	.75	1.00	1.10
15-in. "	3,561 "	.65	.85	1.00
12-in. "	4,134 "	.60	.70	.85
10-in. "	1,250 "	.45	.60	.75
6-in. house conns	3,447 "	.25	.30	.45
Ys on 24-in. pipe	8...	1.70	2.25	1.00
" " 22-in. "	32...	1.50	1.90	.88
" " 18-in. "	12...	.65	1.20	.56
" " 15-in. "	111...	.60	1.00	.36
" " 12-in. "	144...	.40	.65	.24
" " 10-in. "	45...	.35	.60	.21
Manholes	33...	27.00	25.00	.....
Catchbasins	54...	30.00	35.00	.....
10-in. spill pipe	880 ft.	.10	.50	.....
Total		$10,890	$13,164	$16,231

PAVING.—New York, N. Y.—The department of street improvements, 23d and 24th Wards, opened the following bids Aug. 12: For regulating and paving Jerome Ave. with vitrified brick on concrete foundation, from Macomb's Dam bridge to 162d St., 10,400 sq. yds.:

	A sq.yd.	Total.
J. C. Rodgers, 26 Cortlandt St.	$2.58	$26,832
Thielmann & Smith, 411 Lenox Ave.	2.90	30,160
Asphalt Const'n Co., 207 Broadway	2.922	30,420

Also, regulating and paving Jerome Ave. with macadam pavement, on a telford foundation, from 162d St. to Tremont Ave., 44,550 sq. yds.:

J. C. Rodgers, 26 Cortlandt St.	$1.15	$51,232
Thielmann & Smith, 411 Lenox Ave.	1.06	47,223
W. H. Masterson, 231 East 86th St.	1.13	50,341
G. F. Doak, 500 W. 153d St.	1.229	54,751
Warren-Scharf Asphalt Paving Co.	1.27	56,578

Regulating and paving Jerome Ave. with macadam pavement, on a telford foundation, from Tremont Ave. to Van Cortlandt Ave., 52,800 sq. yds.:

Bidder.	Macadam, 52,800 sq. yds.	New curb, 3,220 lin. ft.	4-in. drain, 14,700 lin. ft.	Total.
G. F. Doak, 500 W. 153d St.	$1.33	$0.40	$0.09	$72,815
J. C. Rodgers, 26 Cortlandt St.	1.24	.50	.15	69,287
W.H.Masterson,231 E. 86th St.	1.13	.50	.08	62,450
Warren-Scharf Asphalt Pvg Co.	1.34	.70	.30	77,416

Regulating and paving with asphalt, on present block pavement, the carriageway of Boston road from East 168th St. to Jefferson St., and in East 169th St., from Boston road to Franklin Ave.: 12,760 sq. yds.:

Bidder.	Asphalt, 12,760 sq.yds.	Curb fur. & set, 1,350 lin.ft.	Total.
Barber Asp. Pav. Co., 5 & 11 B'way	$2.73	$0.59	$35,631
Asphalt Const'n Co., 207 B'way	2.87	.75	37,624
Sicilian Asp. Pav. Co., Times Bldg.	2.95	.75	38,655
Warren-Scharf Asp. Paving Co.	2.87	.70	37,566

LEVEE WORK.—Memphis, Tenn.—Capt. H. C. Newcomer, U. S. Engr., informs us that bids were opened Aug. 11, from 35 different contractors and firms for levee work, as advertised in Engineering News. The lowest bidders, with stations on which their work will be located, the number of yards, and the price per yard, was as follows:

Lower Yazoo Levee District (Above Greenville).

Stations.	Lowest bidder.	No. cu.yds.	A cu.yd. cts.
999 to 1018	McIntyre & Howard	74,000	12.00
1018 " 1034	" "	73,000	12.00
1034 " 1051a	" "	68,000	12.00
1037b" 1200	Shippey & Johnson	128,000	19.00
*1037b" 1200	" "	.....	17.00
2620 " 2700	J. V. Daugherty	50,000	15.00
*2620 " 2700	Green Clay	.....	13.60
2700 " 2800	Ernest Hyner	95,000	15.47
*2700 " 2800	McCadden & Roach	.....	12.23
2800 " 2880	Ernest Hyner	95,000	14.00
*2800 " 2880	" "	.....	12.00
2959 " 3000	" "	34,000	14.00
2959 " 3000	" "	.....	12.00
3000 " 3100	" "	95,000	14.00
*3000 " 3100	" "	.....	12.00
3100 " 3187	" "	61,000	16.00
*3100 " 3187	Jas. H. Cary	.....	13.50
3187 " 3201	Robert Johnson	76,000	14.74
3201 " 3215	" "	105,000	14.74
3215 " 3239a	Jas. H. Cary	85,000	13.00
3225b" 3282	J. V. Dougherty	55,000	17.50
*3225b" 3282	McLeod & McCarten	.....	13.45
3282 " 3329	Jas. H. Cary	152,000	12.50
3329 " 3360	McIntyre & Howard	151,000	12.98
3360 " 3400	P. F. Lamb	151,000	13.50
3400 " 3440	McLeod & McCarten	152,000	12.70
3440 " 3469	J. Scott & Sons	150,000	14.00
3469 " 3514	McLeod & McCarten	153,000	12.70
3880 " 3930	J. V. Daugherty	37,000	18.50
*3880 " 3930	J. B. Lewis	.....	16.70
4150 " 4200	Ernest Hyner	41,000	17.97
*4150 " 4200	Arnold & DeGaris	.....	15.75
4200 " 4300	Ernest Hyner	114,000	16.47
*4200 " 4300	Ben Talley	.....	13.95
4300 " 4400	J. A. Cannon & Co.	72,000	13.99
*4300 " 4400	McCadden & Roach	.....	13.40
4400 " 4500	McIntyre & Howard	50,000	15.49
*4400 " 4500	Tim Sullivan	.....	12.95
4500 " 4570	J. A. Cannon	52,000	13.74
*4500 " 4750	Tim Sullivan	.....	10.75
0 " 60	W. M. Bates & Co.	77,000	15.50
* 0 " 60	Tim Sullivan	.....	10.75
790 " 811	" "	97,000	13.97
3551 " 3601	L. C. Dulaney	97,000	9.95
4868 " 4913	Ben Talley	119,000	14.30
4913 " 4958	" "	125,000	14.30
4958 " 5012	" "	121,000	12.70
Upper Tensas Levee District.			
120 to 250	Jas. H. Cary	50,000	15.00
180 " 230	J. M. Whitehill	21,600	13.00
* 180 " 230	L. C. Dulaney	.....	10.99
1740 " 1780	W. M. Bates & Co.	64,000	21.50
*1740 " 1780	Arnold & DeGaris	.....	19.00
1810 " 1941	J. V. Daugherty	160,000	16.00
*1810 " 1941	" "	.....	15.00
3065 " 3100	W. M. Bates & Co.	42,000	16.00
3065 " 3100	J. V. Daugherty	42,000	16.00
*3065 " 3100	W. M. Bates & Co.	.....	14.00
3328 " 3428	" " "	112,000	17.00
*3328 " 3428	Tim Sullivan	.....	11.74
3428 " 3550	W. M. Bates & Co.	113,000	16.00
*3428 " 3550	J. C. Hodge	.....	12.50
4400 " 4432	McTighe Const'n Co.	35,000	18.20
*4400 " 4432	" "	.....	15.94
4432 " 4452	John Scott & Sons	110,000	33.00
4452 " 4472	" " "	110,000	33.00
4472 " 4492	J. C. Hodge	110,000	24.00
4492 " 4507	John Scott & Sons	110,000	33.00
4507 " 4540	McTighe Const'n Co.	40,000	26.00
*4507 " 4540	" "	.....	23.00
4540 " 4551	" "	50,000	38.35
4551 " 4570	" "	35,000	23.00
*4551 " 4570	" "	.....	19.50

*Work to be completed Jan. 1, 1899; all others March 1, 1898.

CEMENT, STONE, ETC.—Boston, Mass.—Lieut.-Col. H. M. Mansfield received the following lowest bids Aug. 9, as advertised in Engineering News, for cement, etc., for the battery at Long Island Head: Bryant & Kent, Boston, 70 cts. a bbl. for American hydraulic cement; W. G. Nash, Boston, $1.84 a bbl. for Portland cement; Rockport Granite Co., Rockport, Mass., 83 cts. a ton for quarry granite; Massachusetts Broken Stone Co., Boston, $1.28 a ton for fine and coarse broken stone; McIntosh & Parker, Boston, 69½ cts. a ton for sand.

COMPLETING FILTER.—Somersworth, N. H.—William Wheeler, Engr., 89 State St., Boston, has sent us the following statement of the bids opened Aug. 5 for completing the construction of a covered sand filter for the waterworks, as advertised in Engineering News; all materials to be furnished and put in place by the contractor:

Bids Opened at Somersworth, N. H., Aug. 5, for Completing the Construction of a Covered Sand Filter.

Quantities.		Great Falls Granite Co., Somersworth, N. H.	C. N. Taylor, Natick, Mass.	Cheney & Trumbull, Boston, Mass.	Wm. S. Marsh, Lawrence, Mass.	Malone & Farrell, Boston, Mass.
Excavation, sub-soil and wasting within 500 ft.	175 cu. yds.	$1.00	$1.00	$0.55	$1.00	$1.50
Excavation of ledge	40 " "	3.00	5.00	2.25	3.25	3.00
Granite walls, American cement	105 " "	6.00	6.00	7.00	6.00	7.00
Brick walls, Portland cement	1,000 brick	18.00	20.00	17.50	22.00	25.00
Concrete footings, under and in regulat'g chamber	1.5 cu. yds.	8.00	10.00	9.00	8.00	14.00
Granite piers, Portland cement	114 " "	8.00	15.00	9.00	10.00	10.00
Brick arches and spandrel filling, Portland cement	33,500 brick	24.00	24.00	19.00	22.00	25.00
Brick covering arches and manholes, Portl'd cem.	236,000 "	26.00	25.00	20.00	22.00	27.50
Concrete, Portland cement, over covering arches	530 cu. yds.	8.00	9.00	7.50	8.00	7.00
Sub-soil backfilled over filter	2,250 " "	.25	.30	.35	.34	.30
Loam backfilled over sub-soil	950 " "	.25	.30	.35	.20	.35
Sodding furnished and placed	200 sq. yds.	.30	.20	.35	.40	1.00
Grass seed and fertilizer furnished and placed	3,800 " "	.03	.01	.025	.07	.05
Collecting pipes and branches: 15-in. pipe	26 lin. ft.	1.00	.60	.75	1.25	1.00
12-in. pipe	56 " "	.80	.40	.60	1.25	.80
10-in. "	38 " "	.60	.30	.48	1.00	.60
8-in. "	412 " "	.50	.25	.35	.75	.40
6-in. "	352 " "	.25	.15	.25	.75	.30
4-in. "	352 " "	.25	.10	.15	.60	.25
Fur. and laying inlet, outlet and waste pipes with branches: 15-in. inlet pipe	194 " "	1.50	1.50	.90	3.00	1.25
12-in. inlet pipe	30 " "	.80	1.00	.75	1.25	1.25
15-in. outlet pipe	18 " "	.90	1.00	.90	1.50	1.25
10-in. waste pipe	50 " "	.75	1.00	.60	1.00	1.00
Gravel for filter beds in three lower layers	800 cu. yds.	1.50	1.50	2.50	1.75	1.60
Sand in upper layer	3,200 " "	1.50	1.40	2.00	1.60	1.60
Total		$20,865	$21,571	$21,594	$21,720	$21,943

GRANITE PAVING.—Jamaica, N. Y.—John J. McLaughlin, County Engr., informs us that the following bids were opened Aug. 6 for paving Myrtle Ave., from the Brooklyn city line to Richmond Hill, with new or second-hand granite blocks, as advertised in Engineering News:

Bidder.	Embankment, 26,500 cu. yds.	New granite block, 54,500 sq. yds.	Iron pipe, 50,500 lbs.	Catchbasins, 10.	Total, new blocks.
Jas. P. Armbrust[1]	$0.23[4]	$1.79	$0.02¼	$50.00	$109,932
J. P. Madden[2]	.15	1.90[5]	.02½	40.00	109,180
Jas. A. Stevenson[2]	.21	1.87½	.01½	35.00	108,860
William Booth[3]	.30	1.75[6]	.02	75.00	105,085
M. J. Dady[1]	.17	1.77[7]	.03	100.00	103,485
Newman & Co.[1]	.15	1.78	.02	50.00	102,495

[1]Brooklyn. [2]Long Island City. [3]New York. [4]Excavation, 20,200 cu. yds., 23 cts. [5]For second-hand granite blocks, $1.43. [6]Second-hand blocks, $1.50. [7]Second-hand blocks, $1. O'Brien Bros., New York, second-hand blocks, $1.38.

LEVEE WORK.—Clarksdale, Miss.—The Yazoo & Mississippi Delta Levee Board opened bids Aug. 5 for about 1,000,000 cu. yds. of work, the successful bidders being C. H. Dameron, J. E. Kerr, J. K. Jeffries, Martin Jennings, T. S. Aderholdt, T. Likens, Arnold & DeGaris, and Tim Sullivan. The average price is said to be about 20% above what it was some time ago, the lowest bids ranging from 12.75 cts. to 20 cts. a cu. yd.

ELECTRIC POWER.—Tacoma, Wash.—The only bidder July 31 for furnishing the city with power to operate its lighting plant was the Tacoma Ry. Co., at 1½ cts. a K-W. hour, providing the city pays $7,500 toward the expense of putting in necessary machinery and making changes required to carry out the contract; should city not pay this the rate is to be 1.625 cts. a K-W. hour, for the power alone, on a 5-year contract, and both bids provide that the rate shall not exceed 1½ cts. after the expiration of the five years. The contract may be annulled by the city at any time by paying $125 a month for the unexpired time of the five years. It is thought that the acceptance of one of the bids of the company will save the city $500 to $700 a month.

IMPROVING CAUSEWAY.—Jamaica, N.Y.—John J. McLaughlin, County Engr., informs us the contract for improving the Newtown and Flushing Causeway, as advertised in Engineering News, has been awarded to E. Eugene Eglee. The bids were opened Aug. 6, as follows:

Bids Received at Jamaica (L. I.), N. Y., for Improving Causeway.

Quantities.	Chapman & Fitch, New York.	Thos. F. Byrnes, Brooklyn.	M. J. Dady, Brooklyn.	Thos. F. Tuohy & Co., Flushing.	E. Eugene Eglee, New York.
Embankment ..... 50,000 cu. yds.	$0.65	$0.40	$0.30	$0.33	$0.32
Macadam ..... 11,500 sq. yds.	1.10	1.25	.87	1.19	.89
Cobble pavement ..... 300 " "	.50	.40	.70	.40	.45
Iron pipe ..... 20,000 lbs.	.01½	.01½	.02	.02	.03
Piles 420	5.00	4.00	5.00	9.00	4.00
Grillages ..... 33,000 ft.	45.00	30.00	35.00	30.00	35.00
Rubble masonry ..... 600 cu. yds.	6.00	6.00	4.50	7.00	7.50
Brick masonry ..... 125 " "	12.50	30.00	9.00	12.00	12.00
Ring stones ..... 10 " "	20.00	30.00	55.00	18.00	25.00
Random ashlar ..... 150 " "	16.00	15.00	12.00	13.00	12.00
Coping ..... 200 ft.	.60	1.00	1.50	1.50	.75
Slope pavement ..... 6,000 sq. yds.	.60	.40	2.00	.70	.55
Concrete ..... 50 cu. yds.	9.00	7.00	5.00	.40	.23
Fence ..... 7,500 lin. ft.	.20	.16⅔	.25	.12	.15
Total	$62,617	$51,565	$49,470	$49,245	$42,740

ASPHALT PAVING.—Peoria, Ill.—The following bids were received Aug. 3 for about 7,400 sq. yds. of asphalt pavement on Ravine Ave., and 4,000 lin. ft. of curb and gutter, as advertised in Engineering News; price includes 6-in. concrete foundation and a wearing surface of 2½ ins. of asphalt:

Items.	Warren-Scharf Asp. Pav. Co., New York.	S. H. Taylor, New York.
Excavation, a cu. yd.	$0.30	$0.30
Protection curb, a lin. ft.	.06	.06
Combined curb and gutter, lin. ft.	.79	.80
Asphalt, a sq. yd.	1.85	1.87

PAVING, ETC.—New York, N. Y.—The following bids were opened Aug. 10 by the department of public works:

For regulating and paving with macadam the roadway of Boulevard Lafayette, from 11th Ave. to Kingsbridge road:

Bidder.	Macadam, 49,050 sq. yds.	Bridge stone, 2,000 lin. ft.	Total.
Warren-Scharf Asp. Pav. Co.	$1.16	$0.80	$79,698
H. J. Dady, Brooklyn	1.47	.40	72,904
G. F. Doak, 500 W. 153d St.	1.47	.47	73,044

For facing bank in front of old engine-house, Highbridge, with dry stone protection wall:

Quantities.	Thos. Dwyer, Temple Ct.	P. F. Burns, 451 St. Ann's Ave.	M. Palavini, New York.
Rock excavation ... 200 cu. yds.	$3.00	$3.00	$1.75
Earth excavation .. 300 " "	.50	1.00	.50
Wall ..... 2,000 " "	9.50	7.00	7.50
Embankment ..... 300 " "	1.00	.50	1.00
Coping stone ..... 500 lin. ft.	2.00	2.00	1.25
Total	$21,050	$16,050	$16,425

DREDGING.—New York, N. Y.—The following bids were opened by Geo. S. Terry, Secy. Dept. Docks, Aug. 10, for dredging 200,000 cu. yds. of mud in North River, between Battery and West 34th St.: Charles DuBois, 279 Carroll St., Brooklyn, 19½ cts. a cu. yd.; Morris & Cumings Dredging Co., 22 State St., New York city, 19½ cts.; P. Sanford Ross, 277 Washington St., Jersey City, N. J. (accepted), 17½ cts.

PAVING BRICK.—Newport, Ky.—W. L. Glazier, Cy. Engr., writes us that the contract for furnishing brick for Columbia St., was awarded to the Athens Brick Co., at 57½ cts. a sq.yd., delivered. These brick showed up better in test than any others, and showed most satisfactory wear on streets.

LEVEE WORK.—New Orleans, La.—Capt. Geo. McC. Derby, U. S. Engr., writes us that the bids opened by him Aug. 11 for levee work, ranged from 12.45 cts. to 25 cts. a cu. yd. These are 30% to 40% above prices paid last year, and all will be rejected, except those for about 181,000 cu. yds.

DITCH EXCAVATION.—Momence, Ill.—J. L. Clark, Engr., writes us that the bids received Aug. 12 for constructing a ditch, 320,000 cu. yds. of excavation, as advertised in Engineering News, ranged as low as 6¾ cts. a cu. yd, but the lowest formal bid was that of J. J. Shea, to whom the contract was awarded. The only bids considered as formal were as follows:

	A cu.yd. cts.
John J. Shea, 2872 Grand Ave., Chicago, Ill.	7.15
R. H. McWilliams, 167 Dearborn St., Chicago	7.75
John W. Boyer, North Manchester, Ind.	7.9
John Brumbaugh, 825 Garden St., Elkhart, Ind.	8

INDUSTRIAL NOTES.

THE READING CAR WHEEL CO., Reading, Pa., is installing an electrical plant and improving its factory.

THE CHESTER TUBE WORKS, Chester, Pa., is reported to be at work on an order for 100 miles of pipe.

THE ST. LOUIS CAR CO., St. Louis, Mo., recently received an order from the Brooklyn Heights Ry. Co. for 20 closed cars.

THE GLENN BROS. DRILLER CO., New Brighton, Pa., expects to start its new plant at New Kensington about Sept. 1.

THE NATIONAL TUBE WORKS CO., McKeesport, Pa., is pushing the construction of its seamless tube mill at Christy Park, Pa.

THE ELLIOT CAR CO., Gadsden, Ala., is reported to have received an order for 450 box cars from the Louisville & Nashville Ry.

WETHERILL & CO., Chester, Pa., are said to be building the engines for the Union Traction Co.'s new power house at Philadelphia.

THE WESTINGHOUSE AIR BRAKE CO., Wilmerding, Pa., will, it is reported, soon have the full force of 4,000 men busy at its works.

THE PITTSBURG REDUCTION CO., Pittsburg, Pa., has the contract for 1,000 tons of aluminum, it is said, for shipment to England.

THE DEGNON-McLEAN CONSTRUCTION CO. is the name of the firm succeeding Mr. C. McLean, general contractor. The company has offices at 1 Broadway, New York.

THE PENN BRIDGE CO., Beaver Falls, Pa., has been awarded the contract for the erection of government stores, etc., at Seattle, Wash., to cost $67,975.

THE J. G. BRILL CO., Philadelphia, Pa., has received an order for 20 closed cars from the Brooklyn Heights Ry. Co., Brooklyn, N. Y.

THE IOWA IRON WORKS, Dubuque, Ia., is reported as the successful bidder for constructing a steel-hulled tender, the price being $6,850.

OKURA & CO., Kobe, Japan, have just contracted for three 500-HP. Pelton impulse waterwheels. They are to be used to operate an electric light plant.

THE PULLMAN PALACE CAR CO., Pullman, Ill., is reported as having just received an order from the receivers of the Baltimore & Ohio Ry. for 3,000 box cars.

THE ERIE CAR WORKS, Erie, Pa., is building 10 flat cars, 35 ft. long, with a capacity of 50,000 lbs., for the Mount Jewett, Kinzua & Riteville Ry.

THE LUDLOW-SAYLOR WIRE CO., St. Louis, Mo., reports its factory running full capacity. Orders for fencing, etc., are larger than for several months past.

THE ENSIGN MFG. CO., Huntington, W. Va., has resumed work with a full force on orders, which, it is claimed, will keep the plant busy for three months.

THE BELLAIRE STEEL CO., Bellaire, O., is building new 10-ton converters to use gas instead of coal. Soaking pits, electric cranes, etc., will also be employed.

THE MASON, HOGE & KING CONSTRUCTION CO., Frankfort, Ky., is said to have contracts for $150,000 worth of work on the Nelson tunnel at Creede, Colo.

THE BERLIN IRON BRIDGE CO., East Berlin, Conn., is erecting a modern power building for the New York & Staten Island Electric Co., at Livingston, Staten Island.

THE JACKSON & SHARP CO., Wilmington, Del., is reported as the successful bidder on 22 closed electric cars to be used on the Waterloo Underground Ry. of London.

THE ST. LOUIS IRON & MACHINE WORKS, St. Louis, Mo., is reported busy with orders for one 1,800-HP. engine, one 2,500-HP., one 600-HP. and a number of smaller contracts.

THE BALDWIN LOCOMOTIVE WORKS, Philadelphia, Pa., recently received an order for 20 locomotives for Japan. These are in addition to the order for 30, received some time ago.

THE BURGESS STEEL & IRON WORKS, Portsmouth, O., is reported as making additions to its plant, consisting of a new blooming mill and a 35-ton basic open-hearth furnace.

THE DELAWARE RIVER IRON, SHIPBUILDING & ENGINE WORKS, Chester, Pa., recently received a contract for building a large ferryboat for the East River Ferry Co., New York.

THE WESTINGHOUSE ELECTRIC & MFG. CO., Pittsburg, Pa., will supply the generators and electrical equipment of the Dolgeville (N. Y.) Electric Light & Power Co. There will be two 450-K-W. two-phase generators and one 250-K-W. rotary converter together with switches, instruments, etc.

THE JOHN P. LOVELL ARMS CO., South Portland, Me., is reported to be extending its plant considerably. The addition is expected to give employment to about 600 additional operators.

THE NEW CASTLE STEEL & TIN PLATE CO., New Castle, has elected the following officers: Pres., Geo. Greer; Vice-Pres., John Stevenson; Secy., Chas. Greer; Treas., Wm. S. Foltz.

THE BALTIMORE MALLEABLE IRON & STEEL CASTING CO., Baltimore, Md., recently completed a new foundry building. The plant now has a capacity of 100,000 lbs. of iron a day.

THE MICHIGAN PENINSULAR CAR CO., Detroit, Mich., is reported as receiving an order for 475 freight cars for the Mexican Central Ry., and 500 gondolas for the Baltimore & Ohio Ry.

THE WALKER CO., Cleveland, O., has lately been awarded through its German agent, the contract for supplying the machinery and building street railways at Seignitz, Silesia and Fiurne, Austria.

THE RIDGEWAY ENGINE & DYNAMO CO., Ridgeway, Pa., manufacturers of the Thompson-Ryan dynamo, has made several recent sales, including 50, 75, 150 and 200 K-W. generators and several engines.

THE HERRING-HALL-MARVIN SAFE CO, Cincinnati, O., will soon remove its factory to Hamilton, O., according to reports, which state that the company expects to have its new plant in operation by Oct. 1.

MR. L. J. RICHARDSON, Oswego, N. Y., has been awarded the contract for laying a 12-in. pipe line from Metuchen, N. J., to Woodbridge, N. J., and from Woodbridge to Carteret, N. J., a distance of 8 miles.

THE DUBOIS IRON WORKS, Dubois, Pa., started up its new plant recently. The main building is 500 × 80 ft., and will employ about 300 men. Further additions will be made which will, it is expected, bring the cost of the plant up to $250,000.

THE TOLEDO FOUNDRY & MACHINE CO., Toledo, O., has contracts for two Victor steam shovels to be shipped to Japan in October, and also an order from Japan for its patent railway locomotive turntable, to be 50 ft. long and of 50-ton locomotive capacity.

THE TOTTEN & HOGG IRON & STEEL CO., Pittsburg, Pa., makers of rolling mill engines and mill machinery were awarded the contract for furnishing the machinery for the tin plate mills to be erected by the La Belle Iron Works, of Wheeling, W. Va.

THE PACIFIC BRIDGE CO., Portland, Ore., which has the contract for constructing gun emplacements at Marrowstone Point, Wash., has placed its order with Willis Shaw, of Chicago, for a 54-ton steam shovel, to be used on this work. The itemized bids for the fortifications at Marrowstone Point were published in our issue of July 22.

THE DAVIS & EGAN MACHINE TOOL CO., Cincinnati, O., is announced to have adopted the plan of owning all freight cars used in shipping its machinery. The 60 cars ordered some time ago will have a capacity of 60,000 lbs. each. The cars will be painted orange color and the sides covered with full-size paintings of the various machine tools manufactured by the company.

THE INGERSOLL-SERGEANT DRILL CO., New York, N. Y., will furnish the air compressors necessary to supply the pneumatic power for operating the new system of postal despatch now being installed in Philadelphia and New York. The Batcheller Despatch Apparatus will be employed, and it is expected that further extension will be made to include all important branch offices in the cities named.

THE STILWELL-BIERCE & SMITH-VAILE CO., Dayton, O., is engaged in constructing large power transmission plants at Massena, N. Y.; the Lachine rapids, near Montreal; at Chambley, at the falls of Montmorency, to furnish power to Quebec; at Dolgeville, N. Y.; at Kootenay, B. C.; at Columbus, S. C.; at Bangor, Me., for the Bangor Public Works Co., and in South Carolina, for the Pelzer Mfg. Co.

THE O. H. JEWELL FILTER CO., of Chicago, has received a contract from the Metropolitan Water Co., of Kansas City, Kan., for a gravity filter plant, guaranteed to filter 6,000,000 gallons daily of Missouri River water when in its worst condition. This is, so far as we recall, the first attempt ever made to filter Missouri River water for a public water supply, and its success will be watched with much interest.

THE NATIONAL SWITCH & SIGNAL CO., Easton, Pa., has closed a contract through Mr. Edward C. Carter, Prin. Ass't Engr. of the Chicago & North Western for two interlocking plants at Fulton, Ill., crossing of the Chicago & North Western and the Chicago, Burlington & Quincy, one of 14 working levers and the other of three. Electric locking for the derail switches, and the Hansel door lock for the smaller tower will be provided.

THE BALL ENGINE CO., Erie, Pa., recently supplied the Mount Washington Electric Light & Power Co., Mount Washington, Md., with a 100-HP. engine. The company also placed a 100-HP. automatic engine in the power station of the Mount Vernon Co., Woodberry, Md. A 75-HP. engine was shipped to the Sterling Varnish Co., of Pittsburg, Pa., and two others to the Chesapeake & Ohio Ry., Newport News, Va.

THE PITTSBURG REDUCTION CO., Pittsburg, Pa., has just finished an iron floor, 75 × 125 ft., for its calcining house, New Kensington, Pa. The company is said to have recently received an order from the Atlantic & Pacific Aerial Navigation Co. for 120 sheets of aluminum, 16 × 2 ft., to be 1-100-in. thick for an air ship. The address of the Chicago office of the company has been changed from 132 to 156 and 158 Lake St.

THE SHIFFLER BRIDGE CO., Pittsburg, Pa., through its New York office, has secured the contract for the new iron buildings for the Poughkeepsie Glass Works, Poughkeepsie, N. Y., consisting of a furnace building 120 × 200 ft., and shop building 183 × 39 ft., and machine shop 39 × 42 ft. This company is also furnishing and erecting the steel work in the Henry McCadden Memorial Hall, corner 2d and Berry Sts., Brooklyn, N. Y.

MR. WILLIS SHAW, 506 New York Life Bldg., Chicago, Ill., reports the following sales: A car of hoisting engines to Lantry Sons, at Pontoosuc, Ill.; 2 narrow gage contractor's locomotives to Peppard & Johnson, Minneapolis, Minn.; 30-ton locomotive for Ganahl Lumber Co., Arkansas; an equipment of Shaw dump cars, to Carey Construction Co., at Fort Worth, Tex.; also pumps and boilers, to Christie & Lowe, for their contract at Sabine Pass, Tex.

THE AVERY PLOW CO., Louisville, Ky., has sent us a copy of a printed circular denying the report sent out by the associated press and noted in these columns Aug. 5 to the effect that the company had just resumed work after three years' idleness. As a matter of fact the only shut down for many years has been for a few weeks each

EXPANDED METAL.

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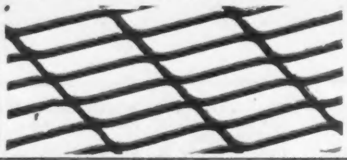

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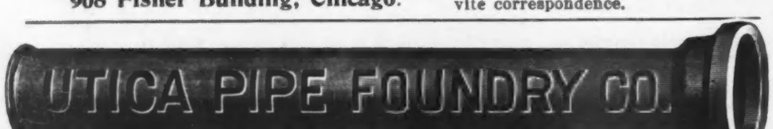

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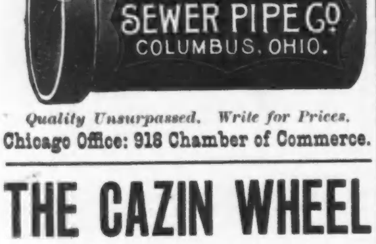

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PROPOSALS FOR FORGED STEEL PROJECTILES for Seacoast Cannon.—Ordinance Office, War Department, Washington, August 2, 1897.—Sealed proposals, in duplicate, will be received here until 3 o'clock p. m., September 2, 1897, and then publicly opened, for furnishing the Ordnance Department, U. S. Army, with the following projectiles, more or less: 195 8-inch A. P. shot (large core), 606 10-inch A. P. shot (large core), 150 12-inch A. P. shot (large core), 270 12-inch D. P. mortar shell of 800 pounds weight, and 50 12-inch D. P. mortar shell of 1,000 pounds weight. Bids will be received for all or part of foregoing. Information furnished upon application to Brig. Gen. D. W. FLAGLER, Chief or Ord. 31-4t

U. S. ENGINEER OFFICE, Chattanooga, Tenn., August 2, 1897.—Sealed proposals for HIRE OF DREDGING PLANT will be received here until noon, Tuesday, August 31, 1897, and then publicly opened. Information furnished on application to DAN. G. KINGMAN, Capt. of Engrs. 31-4t

U. S. ENGINEER OFFICE, Army Building, New York, Aug. 9, 1897.—Sealed proposals, in triplicate, for furnishing RUBBLE AND PAVING STONE ON DIKES in Hudson River, New York, will be received here until 12 m., Sept. 9, 1897, and then publicly opened. Information furnished on application. WILLIAM LUDLOW, Lieut.-Col., Engrs. 32-4t

U. S. ENGINEER OFFICE, Duluth, Minn., July 10, 1897. — Sealed proposals for building TWO BREAKWATER PIERS, each some 2,700 feet long, at Lake Superior Entrance to Portage Lake Ship Canals, Mich., will be received here until noon, Sept. 10, 1897, and then publicly opened. Information furnished on application. CLINTON B. SEARS, Major, Engrs. 28-8t

PROPOSALS FOR DREDGING IN GALENA RIVER, ILL.—U.S. Engineer Office, Rock Island, Ill., Aug. 7, 1897.—Sealed proposals, in duplicate, will be received here until 11 a. m., Sept. 7, 1897, and then publicly opened, for dredging in Galena River. Information furnished on application to Lieut. CHARLES KELLER, Engrs. 32-4t

NEW YORK STATE CANALS.

Notice to Contractors.

Office of the Superintendent of Public Works.

Albany, N. Y., Friday, Aug. 6th, 1897.

Pursuant to chapter 79, laws of 1895, chapter 794, laws of 1896, and chapters 43 and 569, laws of 1897, sealed proposals for work on the

Eastern and Middle Divisions

will be received by the Superintendent of Public Works at his office in Albany, N. Y., until

Tuesday, August 24th, 1897,

at 12 o'clock noon of that day, and for work on the

Western Division,

sealed proposals will be received by the Superintendent of Public Works, at his office in Albany, N. Y., until

Friday, September 3d, 1897,

at 12 o'clock noon of that day, for the following pieces of work. The work will be bid for and let separately, and every proposal for each piece of work hereinafter designated must be accompanied by a draft on some good banking institution of the City of New York, or Albany, issued by a national or state bank in good credit within the state, payable at sight to the Superintendent of Public Works. The amount of deposit will be 5 per cent. of the proposal, and will be retained as a part of the security until the completion of the work; the amount of labor bond required on execution of contract will be 40 per cent. of the proposal, and the amount of bond for the faithful performance of contract on execution of contract will be 45 per cent. of the proposal:

CONTRACT NO. 1.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 18 to Lock No. 19, a distance of 8.86 miles.

CONTRACT NO. 14.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 30 to Lock No. 31, a distance of 13.84 miles.

CONTRACT NO. 15.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 29 to Lock No. 30, a distance of 0.67 miles.

CONTRACT NO. 16.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 45 to the east line of Oneida county, a distance of 6.77 miles.

CONTRACT NO. 17.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 19 to Lock No. 20, a distance of 2.71 miles.

CONTRACT NO. 18.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 24 to Lock No. 25, a distance of 3.8 miles.

CONTRACT NO. 19.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 25 to Lock No. 27, a distance of 6.59 miles.

CONTRACT NO. 20.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 31 to Lock No. 32, a distance of 6.31 miles.

CONTRACT NO. 21.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 34 to Lock No. 35, a distance of 3.17 miles.

CONTRACT NO. 22.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 35 to Lock No. 36, a distance of 4.37 miles.

CONTRACT NO. 23.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 40 to Lock No. 41, a distance of 2.64 miles.

CONTRACT NO. 24.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 41 to Lock No. 42, a distance of 2.86 miles.

CONTRACT NO. 25.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Bridge No. 55 to Lock No. 23, a distance of 3.6 miles.

CONTRACT NO. 26.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 23 to Lock No. 24, a distance of 0.79 mile.

CONTRACT NO. 27.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 39 to Lock No. 40, a distance of 2.76 miles.

CONTRACT NO. 23.—MIDDLE DIVISION.

For improving the Middle Division of the Erie Canal, from a point 100 feet west of New Boston Road Bridge to a point 100 feet west of Kirkville Road Bridge, a distance of 7.2 miles.

CONTRACT NO. 6.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from a point 1,000 feet west of Hurd's Bridge No. 148, station 310, section 20, westerly to the foot of Lockport Locks, a distance of 8.45 miles.

CONTRACT NO. 7.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Shelby Basin Bridge No. 142, station O, section 20, westerly to 1,000 feet west of Hurd's Bridge No. 148, station 310, section 20, a distance of 5.87 miles.

CONTRACT NO. 8.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from 700 feet west of Long's Bridge No. 134, station 320, section 19, westerly to Shelby Basin Bridge No. 142, station 768 plus 42, section 19, a distance of 8.50 miles.

CONTRACT NO. 9.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Brailey's Bridge No. 125, station O, section 19, westerly to 700 feet west of Long's Bridge No. 134, station 320, section 19, a distance of 6.06 miles.

CONTRACT NO. 10.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from 1,000 feet east of Holley's Bridge No. 115, station 350, section 18, westerly to Brailey's Bridge No. 125, station 795 plus 60, section 18, a distance of 8.44 miles.

CONTRACT NO. 11.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Cooley's Basin Bridge No. 106, station O, section 18, westerly to a point 1,000 feet east of Holley Bridge No. 115, station 350, section 18, a distance of 6.63 miles.

CONTRACT NO. 12.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from a point 600 feet east of Norman's Bridge No. 97, station 430, section 17, westerly to Cooley's Basin Bridge No. 106, station 749 plus 01, section 17, a distance of 6.04 miles.

CONTRACT NO. 13.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Rowe Street Bridge No. 86, Rochester, station O, section 17, westerly to a point 600 feet east of Norman's Bridge No. 97, station 430, section 17, a distance of 8.14 miles.

CONTRACT NO. 14.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from the head of Lock No. 66, station 255, section 16, westerly to Rowe Street Bridge No. 86, Rochester, station 486.41, section 16, a distance of 4.38 miles.

CONTRACT NO. 15.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from the head of Lock No. 62, station O, section 16, westerly to the head of Lock No. 66, station 255, section 16, a distance of 4.83 miles.

Plans and specifications, notices and form of contract may be seen from the date of publication of this notice to the date fixed for the receipt of proposals, at the office of the Superintendent of Public Works, in Albany, N. Y., and at the office of Thomas Wheeler, Assistant Superintendent of Public Works, in Syracuse, N. Y., and at the office of R. G. Lay, Assistant Superintendent of Public Works, in Rochester, N. Y. All proposals for the above work must be addressed to the Superintendent of Public Works, at Albany, N. Y., and must be endorsed on envelope, "Proposals for Contract No. —, EASTERN, MIDDLE, or WESTERN DIVISION," as the case may be. The right is reserved to reject any or all bids.

GEORGE W. ALDRIDGE,
Superintendent of Public Works.

32-2t

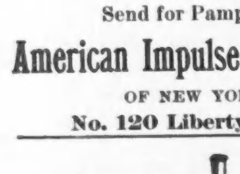
BOSTON SUBWAY.

NOTICE TO CONTRACTORS.—City of Boston.—Boston Transit Commission.—Sealed bids for building Section 11 of the Subway will be received at the office of the Commission, 20 Beacon Street, Boston, Mass., till 12 o'clock m. of Thursday, Sept. 2, 1897. Each bid must be accompanied by a certified check for the sum of $2,500. The section is under and near the site of the old Boston & Maine station at Haymarket Square. A portion of the subway will be an open incline, and the remaining portion will be covered. The structure will consist of a combination of steel and masonry. Some of the items are estimated to be as follows: 19,300 cubic yards earth excavation; 330 tons iron and steel, furnished by the Commission, to be set in place; 7,000 cubic yards concrete and brick masonry; 22,000 linear feet of piles in place. Plans can be seen and specifications and forms of contract can be obtained at 20 Beacon St., fifth floor. A bond will be required for the faithful performance of the contract in a sum of 20 per cent. of the amount. The Commission reserves the right to reject any and all bids and reserves the right to award the contract as it deems for the best interest of the city of Boston. GEORGE G. CROCKER, Chairman; CHARLES H. DALTON, THOMAS J. GARGAN, GEORGE F. SWAIN, HORACE G. ALLEN, Boston Transit Commission; HOWARD A. CARSON, Chief Engineer; B. LEIGHTON BEAL, Secretary. 32-3t

OFFICE OF THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA, Washington, August 2d, 1897.—Sealed proposals, endorsed "Proposal to furnish WATER FILTERS," will be received at this office until 12 o'clock m., on Tuesday, September 7th, 1897. Blank forms of proposals and specifications may be obtained by addressing this office. A certified check for $100 on some bank in the District of Columbia, or a certificate of the Collector of Taxes of said District that $100 has been deposited with him, must accompany each proposal as a guarantee that the bidder will enter into contract as proposed by him if his bid should be accepted. The right to reject any and all bids is reserved. JOHN W. ROSS, JOHN B. WIGHT, W. M. BLACK, Commissioners, D. C. 31-4t

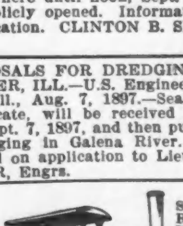
Other Proposals, Pages XXIV & XXVII

Road Locomotive



English Portable Engine

Steam Road Roller



W. C. OASTLER

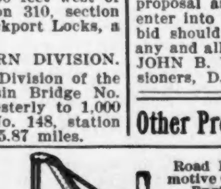
IMPORTER,

43 Exchange Pl.

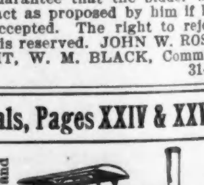
NEW YORK.

Aveling & Porter's English Machinery.

Road Locomotive Crane Engine



Combined Roller and Traction Engine



In Writing to Advertisers Kindly Refer to Your Having Seen the Notice in Engineering News.

summer for stock taking and annual repairs. During the past year both day and night forces have been operated part of the time.

THE NATIONAL SWITCH & SIGNAL CO., Easton, Pa., has closed a contract through Mr. Edward C. Carter, Pri. Asst. Engr., Chicago & Northwestern Ry., for an interlocking plant at Eariville, Ill., at the crossing of the Chicago & Northwestern and Chicago, Burlington & Quincy railways. It will be operated by 18 working levers, and the contract includes the installation of electric locking for the derails. Green lights will be used on the C. & N. W. for the clear indication of its signals.

THE ALCATRAZ CO., San Francisco, Cal., with Eastern offices at 57 East 50th St., New York, wishes us to deny the rumor that this company has been consolidated with the Trinidad or the Bermudez companies. The Alcatraz Co. has built up an extensive business in the use of Alcatraz asphalt for street pavements, sidewalks, lining of reservoirs, etc., and claims that false reports are being circulated in various cities in which it is submitting bids in competition with producers of other asphalts.

THE MORSE MACHINE CO., Rochester, N. Y., has just secured orders covering all of the tables for the three new drawing rooms of Columbia University, New York; three styles of tables—one for the architectural department, one for the civil engineering department and one for the mining enginering department. It is claimed that this is the largest order of the kind ever placed in this country. The Morse Machine Co. has recently increased its facilities, by the addition of a new shop. It has also secured a large order from the engineering departments of Cornell and the University of Ohio.

THE Q. & C. CO., Chicago, Ill., manufacturers of the Servis tie plate and other railway specialties, informs us that it has secured the exclusive control of the tie plate known as the C. A. C. plate and will hereafter be the sole manufacturers of this plate. In taking this step the company explains that it by no means abandons the position it has long maintained that the Servis tie plate in its present style is the best form of tie plate; but it has secured control of the C. A. C. plate to meet the desires of railway officers who desire to try or use plates having shoulders on the upper surface and flanges cutting across the grain of the tie on the under side.

THE S. FREEMAN & SONS MFG. CO., Racine, Wis., has awarded the contracts for the construction of three large buildings adjacent to its boiler shop. The contract for the masonry was awarded to Mr. Swenvig, and for the woodwork to Mr. W. J. Walker, both of Racine. The machine shop will be a three-story brick, 182 × 56 ft. The foundry will be 186 × 82 ft., and the office and warehouse building will be 185 × 50 ft. All buildings will have direct connections with the railroads, and are to be completed within 90 days. When finished this firm, it is claimed, will have the largest boiler shop and shops for general steel riveted work in the West.

THE BERLIN IRON BRIDGE CO., East Berlin, Conn., has the contract for furnishing and erecting the steelwork of a new building for the Newport News Shipping & Dry Dock Co., which is making extensive additions to its plant at Newport News, Va. This addition is a 100×200 ft. extension to the machine shop. The building will be used for the finishing and erecting of marine engines and other large machinery used in connection with the mammoth steel vessels which this company has under way. The central portion of the building will be 50 ft. high, and will be supplied with an electric traveling crane capable of lifting and carrying a load of 50 tons. On either side of this central space will be located a gallery arranged for small machines and fitting tools. The building is to have a steel framework througnout, and the roof is to be covered with corrugated iron.

NEW COMPANIES.—Massy Railway Supply Co., Camden, N. J.; $50,000, commencing with $1,000; to trade and deal in lumber, railway cross ties, bridges, etc.; James Brannen and Samuel R. Gaytin, Philadelphia, Pa.; Robert B. Hays, Camden, N. J.

Haines Electric Co., Jersey City, N. J.; $100,000, commencing with $100,000; to manufacture electrical or mechanical lamps, dynamos, motors, etc.; John H. J. Haines, 253 Lafayette Ave., Brooklyn, N. Y.; Alex. B. Fernald, 451½ Jersey Ave., Jersey City, N. J.; John H. Hubbell, 76 Locust Hill Ave., Yonkers, N. Y.; Libbens H. Rogers, 341 Lenox Ave., and Ed. S. Terry, 200 West 79th St., New York.

Oakland Gas Appliance Co., Oakland, Cal.; $50,000; to operate patents and inventions along gas lines, and to buy and sell real estate; H. W. Baxter, T. P. Strong, R. S. Lawrence and others.

American Air Motor Co., incorporated in New Jersey; $75,000; to manufacture patents for operating cars by stationary engines, compressed air, steam or electricity; Lucius T. Gibbs and Robert M. Thompson, New York, N. Y.; Clarence C. Garrison, Bayonne, N. J.

Eastern Engineering Co., New York, N. Y.; $5,000; to carry on a general mechanical and electrical engineering business; Francis E. Tyng, Elizabeth, N. J.; Franklin R. Haines and Sewell T. Tyng, Elizabeth, N. J.; Franklin R.

Northwest Development Co., East Orange, N. J.; $100,000; to build railways, gas and electrical works and other improvements, work mines, act as general carriers, and seek and secure openings for the employment of capital, and to dispatch and employ expeditions to Alaska; Charles E. Pegley, Jr., and Wentworth B. Winslow, New York, N. Y.; W. Percy Mills; Howard K. Wood, East Orange, N. J.

American Sanitary Engineering Co., Detroit, Mich.; incorporated in West Virginia; $500,000, commencing with $500,000; to dispose of sewage, sewer gas, garbage, etc.; John MacDougall and A. J. MacDougall, Montreal, Que.; H. D. McMillan and F. E. Kirby, Detroit; H. W. Avery, Grosse Ile, Mich.

Cornwall Bridge Co., East Orange, N. J.; $250,000, commencing with $1,000; to construct, maintain and operate railway and passenger bridges, also piers, gas and electrical works, etc.; Alfred Luttman, Newark, N. J.; John E. Walker and Spencer S. Marsh, East Orange, N. J.

John Watson Co., Ayr, Ont.; $75,000; to manufacture and deal in agricultural machines, implements, tools, fixtures and specialties of all descriptions, and the acquiring and working all patents and improvements relating thereto; John Watson, John J. Watson, William D. Watson, Alfred E. Watson, Elizabeth D. Watson.

George White & Sons Co., London, Ont.; $175,000; to manufacture and sell steam engines, boilers and other machinery at the present time made by George White & Sons, London, Ont.; George White, Henry B. White, Hubert J. White, Arthur W. White, Frederick J. White, Ernest A. White, London, Ont.

Aerostatic Power Co., Baltimore, Md.; $200,000, with $1,000 paid in; manufacturing, mechanical and industrial business; Lewis Ashmun, R. N. Shaw, Chas. C. Rumpf, John F. Ford, John P. Fleming.

Minnesota Canal Extension Co.; $10,000; to lengthen the Minnesota canal in Delta county; A. L. Bone, A. A. Smith, D. Allebaugh, F. E. Lambertson and E. B. Field are the incorporators.

Calumet Harbor Improvement Co., Hammond, Ill.; $50,000; to make a harbor of Wolf Lake; Arthur B. Reynolds, Chicago, Ill., and others.

Treasury Tunnel, Mining & Reduction Co., Ouray, Colo.; $500,000; to construct tunnels and carry on mining operations; W. J. Hammond and W. J. Hammond, Jr.

Stowell Mfg. Co., Jersey City, N. J.; $50,000, commencing with $1,000; to construct roofs, sidewalks, etc.; to manufacture asphalt, roofing felt, etc.; Francis A. Stowell, Jersey City; Monroe P. Ellis, St. Louis, Mo.; Geo. E. Conklin, Basking Ridge, N. J.

Phoenixville Telegraph & Telephone Co., Phoenixville, Pa.; $5,000; to operate in Chester and Montgomery counties, Pa.; Treas., Geo. H. McCluen, Phoenixville.

White Preservative Co., Boston, Mass.; incorporated in West Virginia; $500,000, commencing with $5; to deal in refrigerating and sterilizing plants, etc.; Frederick White, O. H. Stoddard, E. H. Hewins and H. R. Legate, Boston; E. W. Law, Cambridge, Mass.

Carey Electric Co., Turners Falls, Mass.; $100,000, commencing with $1,000; to manufacture electrical appliances, fire alarms, etc.; C. J. Pettingill and C. W. Stone, Montague City, Mass.; M. W. Ward, A. H. Rist and H. R. Farnsworth, Turners Falls.

Inter-State Construction Co.; East Orange, N. J.; $125,000, commencing with $125,000; to construct and repair railways, bridges, water-works, etc.; James Kelly and Bernard Mallen, New York, N. Y.; Henry Cleveland, Brooklyn, N. Y.; Alfred Luttman, Newark, N. J.

Batcheller Pneumatic Tube Co., Philadelphia, Pa.; $50,000, commencing with $100; to manufacture pneumatic tubes, carriers, etc.; Wm. J. Kelly, B. C. Batcheller, Amos Bonsall and Robert Alexander, Philadelphia; Geo. D. Codman, Germantown, Pa.

New York Lighting & Glass Co., Charleston, W. Va.; $100,000, commencing with $100; to manufacture incandescent gas lights, burners, globes, etc.; Chas. H. De Voll and Beatrice J. De Voll, New York, N. Y.; Chas. C. Washburn, Wm. K. Read and Roscoe B. Van Antwerp, Amsterdam, N. Y.

New Power Co., Trenton, N. J.; $200,000, commencing with $1,000; to manufacture and deal in all kinds of motors; Wm. L. Howard, Trenton, N. J.; Wm. F. Roberts, New York, N. Y.; Frank H. Morse, Wallingford, Conn.

Captain Jack Crawford Alaska Prospecting & Mining Co., Jersey City, N. J.; $250,000, commencing with $1,000; to construct and maintain roadways, railways, bridges, etc.; John W. Crawford, San Marcial, N. Mex.; Geo. B. Corsa, New York, N. Y.; Willard T. Fales, Kansas City, Mo.; Horatio C. King, Brooklyn, N. Y.

Underwood Motor Co., Sandusky, O.; $10,000; to manufacture stationary, portable and marine engines.

WATER-WORKS.

MARATHON, N. Y., August 16, 1897.

Sealed proposals will be received by the Trustees of the Village of Marathon, N. Y., until 2 o'clock p. m., Sept. 2, 1897, for the material and labor necessary for complete system of water-works for said village. Approximate quantities are as follows:

640 tons of 4, 6, 8 and 10-in. cast-iron pipe,
20,000 lbs. of special castings,
40 hydrants,
30 stop gates with boxes,
8 miles pipe-laying, together with construction of distributing reservoir, collecting wells, etc.

The work will be divided into three parcels, for which bids will be received separately, as follows:

1. For cast-iron pipe and special castings.
2. Hydrants, stop gates and boxes.
3. All excavation, refilling, pipe-laying and work of constructing reservoir, collecting wells, etc.

Proposals must be made on the blank forms furnished by the Board of Trustees and each proposal enclosed in a sealed envelope endorsed, "Proposal for Marathon Water-Works," and addressed to the Board of Trustees, Corporation Hall, Marathon, N. Y. No proposal will be received unless it is accompanied by a certified check for 5% of the amount of the bid, and made payable to the order of the Treasurer of the Village of Marathon.

The Board reserves the right to reject any or all bids. Forms and specifications can be obtained, and maps and plans seen, at the office of Ed. L. Adams, Marathon, N. Y., or at the offices of the Engineers, 424 and 425 Kirk Building, Syracuse, N. Y.

O. F. PINCKNEY, President.
A. H. MAIN, E. P. JOHNSON, ED. L. ADAMS, } Trustees.
J. W. JONES, Village Clerk.
ALLEN, FARRINGTON & CO., Engineers, 33-1t

Commonwealth of Massachusetts.

METROPOLITAN WATER BOARD.

LAYING WATER PIPES AND BUILDING SMALL MASONRY DAM.

Sealed proposals will be received at the office of the Metropolitan Water Board, 3 Mt. Vernon Street, Boston, Mass., until 2:30 o'clock p. m., of Tuesday, Aug. 31, 1897, for four separate contracts:

CONTRACT No. 75 provides for the laying of 5,525 feet of 48-in. pipes in Framingham, Mass., from Dam No. 3 to the aqueduct below Dam No. 1, and building masonry at the connections with the dam and the aqueduct.

CONTRACT No. 77 provides for the laying of 11,500 feet of 20-in. pipes in Newtown and Watertown.

CONTRACT No. 78 provides for the construction of a small masonry dam near the upper end of Reservoir No. 5, in Southborough.

CONTRACT No. 79 provides for the laying of 16,000 feet of 24-in. pipes in Dorchester, Milton and Quincy.

Pamphlets containing further information for bidders, forms of proposal, contract and specifications, will be mailed to contractors who apply to the Chief Engineer, or may be obtained at his office, 3 Mt. Vernon Street, and plans may be seen at his office. The printed forms must be used in making proposals. The Board reserves the right to reject any or all proposals, or to accept the proposals deemed best for the Commonwealth.

HENRY H. SPRAGUE, Chairman.
WILMOT R. EVANS,
HENRY P. WALCOTT,
Metropolitan Water Board.
FREDERIC P. STEARNS, Chief Engineer.
WILLIAM N. DAVENPORT, Secretary.
Boston, Aug. 17, 1897. 33-2t

TREASURY DEPARTMENT, Office Supervising Architect, Washington, D. C., Aug. 14, 1897.—Sealed proposals will be received at this office until 2 o'clock p. m., on the 1st day of September, 1897, and opened immediately thereafter, for the REMOVAL AND PURCHASE OF DEBRIS at the U. S. Immigration Station, ELLIS ISLAND, N.Y. HARBOR, in accordance with the specification, copies of which may be had at this office and the office of the Superintendent of Repairs, U. S. Court House and Post Office, New York, N. Y. Each bid must be accompanied by a certified check for the sum of one hundred ($100) dollars. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, should it be deemed in the interest of the government to do so. All proposals received after the time stated for opening will be returned to the bidders. C. E. KEMPER, Acting Supervising Architect. 33-2t

U. S. ENGINEER OFFICE, 39 Whitehall St., New York, Aug. 17, 1897.—Sealed proposals for PURCHASE OF 1 DREDGE, 3 SCOWS, 2 TUGS AND EQUIPMENT, belonging to the government, and pertaining to improvement of Raritan River, N. J., will be received here until 12 o'clock noon, Sept. 16, 1897, and then publicly opened. Information furnished on application. H. M. ADAMS, Major, Engrs. 33-4t

STREET IMPROVEMENTS.

COLLEGE POINT, N. Y.

Bids for improving the streets and sidewalks of the Village of College Point, Queens county, N. Y., will be received by the Board of Trustees of said village, at the "Institute" in said village, until 4 o'clock in the afternoon on the 25th day of August, 1897.

The work will consist in macadamizing, resurfacing macadam, paving with blocks or brick, flagging, curbing and guttering.

Each bid must be accompanied by a certified check in the sum of five thousand ($5,000) dollars.

Bonds in the sum of twenty thousand ($20,000) dollars will be required.

The right is reserved to reject any or all bids.

For specifications and detailed information, apply to the undersigned at 20 Main St., Flushing, L. I.

G. A. ROULLIER,
33-1t Engineer.

BRICK PAVING.

NORTH ADAMS, MASS.

Sealed bids will be received until noon of August 28th, by the Commissioner of Public Works, of the City of North Adams, Mass., for furnishing labor and material to pave about 7,600 square yards of Main St. with vitrified brick, also for labor in setting about 500 feet of curb.

Proposal blanks, specifications or further information may be obtained of Mr. J. H. Emigh, City Engineer.

The right is reserved to reject any or all bids.

JAS. E. HUNTER,
33-1t Commissioner of Public Works.

BRIDGE PIERS.

P., D. & E. RY.

Sealed proposals will be received until Sept. 1, 1897, for the construction of bridge piers along the line of the Peoria, Decatur & Evansville Railway, at Evansville, Ind.; Grayville, Ill., and Newton, Ill. The work will require about 1,600 cubic yards first-class masonry in the piers, and about 4,000 lineal feet of piling in the foundations.

The right to reject any or all bids is reserved.

For plans, specifications, etc., call on or address

A. J. DAVIS, Engineer,
33-2t Mattoon, Ill.

BRICK PAVING.

LA GRANGE, ILL.

Sealed proposals for improving Spring, Waiola and Bell Avenues, with stone curb and brick pavement, will be received at the office of the Village Clerk of the Village of La Grange, Ill., until 8 p. m., sharp, Aug. 30, 1897.

All bids must be accompanied by a certified check on some responsible bank, or cash, for the sum of $500.00, payable to the Village of La Grange.

Plans and specifications may be seen at the office of the Village Clerk or Village Engineer.

The President and Board of Trustees hereby reserve the right to reject any or all bids.

A. H. HURD,
W. B. EWING, Village Clerk.
Village Engineer.
La Grange, Ill., Aug. 9, 1897. 33-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Aug. 16, 1897.—Sealed proposals will be received at this office until 2 o'clock p. m. on the 10th day of September, 1897, and opened immediately thereafter, for all the labor and materials required and fixing in place complete the LOW PRESSURE, RETURN CIRCULATION, STEAM HEATING AND VENTILATING APPARATUS for the U. S. Post Office building, YOUNGSTOWN, OHIO, in strict accordance with the drawings and specification, copies of which may be had at this office or at the office of the Superintendent at Youngstown, Ohio. Each bid must be accompanied by a certified check for a sum not less than 2% of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, should it be deemed in the interest of the government to do so. All proposals received after the time stated for opening, will be returned to the bidders. C. E. KEMPER, Acting Supervising Architect. 33-2t

PROPOSALS FOR OIL ENGINES, ROTARY TRANSFORMERS AND STORAGE BATTERIES.—U. S. Engineer Office, Willets Point, N. Y., Aug. 7, 1897.—Separate sealed proposals for furnishing and delivering at New York city, Oil Engines, Rotary Transformers and Storage Batteries, will be received here until 12 m., Sept. 6, 1897, and then publicly opened. Information furnished on application. JOHN G. D. KNIGHT, Major, Engrs. 33-3t

U. S. ENGINEER OFFICE, Telephone Building, Detroit, Mich., August 2, 1897.—Sealed proposals for DREDGING and SUBMARINE ROCK EXCAVATION, in the St. Mary's River, Mich., will be received here until 12 o'clock noon (standard time) August 31, 1897, and then publicly opened. Apply here, or at U. S. Engineer Office, Sault Ste. Marie, Mich., for specifications. G. J. LYDECKER, Lt. Col. Engrs. 31-4t

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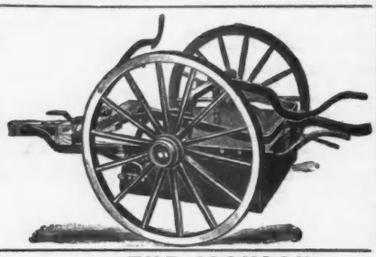

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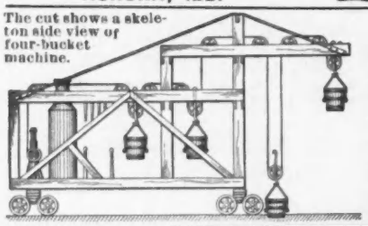
The cut shows a skeleton side view of four-bucket machine.



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EXTENSIBLE TRENCH BRACE.

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HIGHEST EFFICIENCY.

Not affected by any steam-heated surface, water, dampness, frost, concussion nor vibration.

HOLDS ITS FORM. VERY TOUGH

POWER

POWER SPECIALTY CO.
126 Liberty St., N. Y.

The Collection, Removal and Final Disposition of Garbage, Ashes, Etc., for a Period of Five Years.

OFFICE OF THE DEPARTMENT OF PUBLIC WORKS, CHICAGO, August 3, 1897.

Sealed proposals will be received by the city of Chicago until 11 a. m., Friday, Sept. 3, 1897, for furnishing all wagons, carts, teams, machinery, tools, implements and labor of every description whatsoever necessary to collect and remove, and to collect and remove all garbage, ashes and rubbish from the streets, alleys and public places of said city, and to make such final disposition of the same as shall be necessary to comply with the specifications on file in the office of the Department of Public Works, for a period of five years commencing January 1, 1898.

Bidders may submit proposals for the work to be done in each district separately, or any number or all of said districts.

Proposals must be made out upon blanks furnished at said office, and be addressed to said Department, endorsed, "Proposals for Collection, Removal and Final Disposition of Garbage, Ashes, Etc.," and be accompanied with ten thousand ($10,000) dollars in money or a certified check for the same amount on some responsible bank doing business in the city of Chicago, and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids, and to accept bids as applied to each district separately, or any number of districts, or to let the whole in bulk, as he shall elect.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources, to fulfill the conditions of the contract and specifications, provided such contract should be awarded to him.

Companies or firms bidding must give the individual names as well as the name of the firm, with their address.

Bids will not be received after the hour above named.

L. E. McGANN,
32-3t Commissioner of Public Works.

PUMPING ENGINE FOR 68th ST. PUMPING STATION.

OFFICE OF THE DEPARTMENT OF PUBLIC WORKS, CHICAGO, ILL., August 5, 1897.

Sealed proposals will be received by the City of Chicago until 11 a. m., Monday, Sept. 6, 1897, for furnishing and erecting on the foundations to be constructed at the 68th Street Pumping Station in the City of Chicago, one horizontal compound condensing pumping engine of fourteen (14) million gallons capacity per twenty-four hours, with a total lift of one hundred and fifty (150) feet, together with necessary boilers and all accessories and appurtenances, according to plans and specifications on file in the office of the Department of Public Works of said city.

Proposals must be made out upon blanks furnished at said office, and be addressed to said Department, endorsed "Proposals for New Pumping Engine for 68th Street Pumping Station," and be accompanied with five thousand ($5,000) dollars in money or a certified check for the same amount on some responsible bank doing business in the City of Chicago, and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids. Due consideration will be given to general merits of design, durability of construction, economy of operation and maintenance, facility for repairs and proved performance and record of similar works in actual service elsewhere.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources to fulfil the conditions of the contract and specifications provided such contract should be awarded to him.

Companies or firms bidding will give the individual names as well as the name of the firm with their address.

L. E. McGANN,
32-3t Commissioner of Public Works.

For Other Proposals see Page XXVI.

PUMPING ENGINE FOR FOURTEENTH STREET PUMPING STATION.

OFFICE OF THE DEPARTMENT OF PUBLIC WORKS, CHICAGO, July 30, 1897.

Sealed proposals will be received by the City of Chicago until 11 a. m., Wednesday, September 1, 1897, for furnishing and erecting on the foundations to be constructed at the 14th Street Pumping Station in the City of Chicago, one vertical condensing triple expansion pumping engine of thirty (30) million gallons capacity per twenty-four hours, with a total lift of one hundred and fifty (150) feet, together with necessary boilers and all accessories and appurtenances.

According to plans and specifications on file in the office of the Department of Public Works.

Proposals must be made out upon blanks furnished at said office, and be addressed to said Department, indorsed "Proposals for new pumping engine for 14th Street Pumping Station," and be accompanied with Eight Thousand ($8,000) Dollars in money, or a certified check for the same amount on some responsible bank doing business in the City of Chicago, and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids.

Due consideration will be given to general merits of design, durability of construction, economy of operation and maintenance, facility for repairs and proven performance and record of similar works in actual service elsewhere.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources, to fulfil the conditions of the contract and specifications, provided such contract should be awarded to him.

Companies or firms bidding must give the individual names as well as the name of the firm with their address.

Bids will not be received after the hour above-named.

L. E. McGANN,
Commissioner of Public Works.
by A. J. TOOLEM,
31-4t Deputy Commissioner of Public Works.

PROPOSALS FOR COLLECTION AND DISPOSITION OF GARBAGE.

OFFICE OF THE CITY CLERK, MINNEAPOLIS, MINN., July 24, 1897.

Sealed proposals will be received at this office until Friday, Aug. 27, 1897, at 7:30 p. m., at which time said proposals will be submitted, unopened, to the City Council, for the collection and disposition of garbage, dead animals, ashes, etc., in the City of Minneapolis, Minn. Proposals to be made for the following items, separately or collectively:

First. For collection and disposition of ashes, according to Specification A. A certified check in the sum of one hundred ($100) dollars to accompany each proposal.

Second. For collection and delivery to crematory or reduction works of garbage and dead animals, according to Specification B. A certified check in the sum of five hundred ($500) dollars to accompany each proposal.

Third. For disposal of garbage, night soil, dead animals, etc., according to Specification C. A certified check in the sum of five thousand ($5,000) dollars to accompany each proposal.

All of said proposals to be made in accordance with specifications on file in the office of the Commissioner of Health. The said certified checks are to be made payable to C. S. Hulburt, City Treasurer, as a guaranty for the execution of contract if awarded.

All proposals must be printed or written in ink, addressed to the undersigned, and marked on the envelope "Proposal for Collection and Disposition of Garbage." Said proposals to also bear on the outside of the envelope the name of the bidder or bidders. The right to reject any or all proposals is hereby reserved.

By order of the City Council.

L. A. LYDIARD,
32-2t City Clerk.

STATE ROAD.

PLAINFIELD, CONN.

Sealed bids will be received until 4 p. m. Wednesday, August 25, at Town Hall, Central Village, Conn.

All rights reserved. For information apply to W. H. KENYON, Moosup, Conn., First Selectman, or C. E. CHANDLER and S. B. PALMER, Engrs., Norwich, Conn. 33-1t

BOILERS, PLUMBING, HEATING, ELECTRIC CONDUIT, ETC.

Sealed proposals for furnishing materials and labor for Boilers, Piping, etc., at Ward's Island, N. Y.; for Plumbing for kitchen building at Central Islip; Plumbing, Heating, etc., and for Electric Conduit system for Pier building foot of East 116th St., New York city, may be sent by mail, or delivered in person up to 4 p. m., Aug. 24, 1897, to Henry E. Howland, Esq., President of the Board of Managers, Manhattan State Hospital, No. 1 Madison Ave., New York city, where the Board will open proposals.

Separate proposals must be made for each section of the work to be done.

Drawings and specifications may be seen and forms of proposals obtained at the office of I. G. Perry, Architect, in the Capitol at Albany, N. Y., and at the office of the Board of Managers, No. 1 Madison Ave., New York city.

The Board of Managers reserve the right to reject any or all bids as they may deem for the best interest of the State.

HENRY E. HOWLAND,
33-1t President of the Board of Managers.

SEWER SYSTEM.

ONEIDA, N. Y.

Sealed proposals will be received by the Board of Sewer Commissioners of the village of Oneida, N. Y., until 1 o'clock p. m., on Aug. 31, 1897, for the construction of sewers in the village of Oneida, consisting of about three and one-half miles of pipe sewers with their manholes, lampholes and other accessories, including all materials, tools and labor necessary to complete the same. Bids will be received for the whole work. Plans can be seen and specifications obtained from the Clerk of the Board after Aug. 20. The Board hereby reserves the right to reject any or all bids, or to accept any that, in the judgment of the Board, will be for the best interest of the village. Bonds satisfactory to the Board in amount and sureties will be required of those to whom the contract may be awarded. The sureties shall be residents of the State of New York, or a surety company organized under the laws and doing business in the State of New York—the latter preferred. Each bidder will be required to state in his proposal the names and addresses of his proposed bondsmen. Cash or a certified check made payable to the President of the Board of Sewer Commissioners of Oneida, N. Y., to the amount of $500, must be deposited by each bidder and accompany his bid as a guarantee that in case the contract is awarded him, he will, within seven days after notification of award, execute said contract. Bids must be sealed and addressed to E. R. Boden, Clerk, Oneida, N. Y., and marked on the outside of the envelopes enclosing them, "Proposals for Oneida Sewers."

Signatures of the Board:

J. T. WALLACE, President.
WILLIAM NIXDORF,
BERT VANHORN,
J. V. RICHARDSON,
CHARLES H. PARSONS.

THE STANWIX ENGINEERING CO., Engineers, Rome, N. Y. 33-1t

ROAD WORK.

TOWN OF EASTCHESTER N. Y

Sealed proposals will be received by the Town Clerk of the Town of Eastchester, Westchester County, N.Y., at the Town Clerk's office, Tuckahoe, N. Y., until 12 o'clock noon, Thursday, Aug. 26, 1897, and publicly opened immediately thereafter, for furnishing all labor and material for the regulating, grading, paving and otherwise improving the following roads or highways in said Town, to wit: FIRST.—The White Plains Road, in said Town, extending from the Northerly line of the City of Mount Vernon to Parsons Corners, being about ten thousand (10,000) lineal feet. SECOND.—The road or highway in said Town, known as Pondfield Road, extending from the Harlem Railroad track at Bronxville Station to the Yonkers City line, being about one thousand (1,000) lineal feet. THIRD.—The road or highway extending from Tuckahoe Station to Bronxville Station, being about thirty-five hundred (3,500) lineal feet.

Plans and profiles may be seen, and specifications and other information obtained at the office of the Town Clerk of said Town, at Tuckahoe, N. Y., on and after Aug. 19, 1897.

The right is reserved to reject any or all bids.

By order of the Town Board of the Town of Eastchester.

Dated Aug. 12, 1897.

WILLIAM J. FISHER,
33-1t Town Clerk.

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